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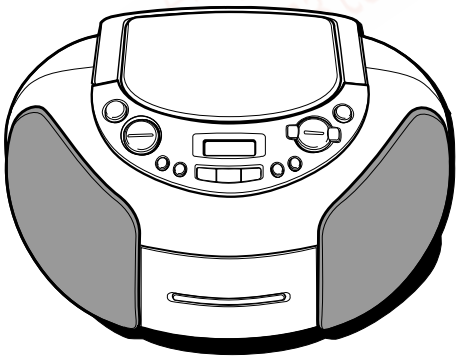
aiwa SERVICE

CSD-TD49

LH(W,S,L),
U(W,L),
UC(W)



SERVICE MANUAL

CD STEREO RADIO
CASSETTE RECORDER

BASIC TAPE MECHANISM:AZM-6 YR3NC
BASIC CD MECHANISM :KSM-213 RDM

- This Service Manual is the “Revision Publishing” and replaces “Simple Manual” (S/M Code No.09-027-458-6T1)

aiwa

S/M Code No. 09-027-458-6R1

REVISION DATA

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SPECIFICATIONS -1/1

Tuner section
Frequency range, antenna – FM: 87.5 - 108.0 MHz
Rod antenna, AM: 530/531 - 1,710/1,602 kHz (10/9 kHz step) Ferrite bar antenna

Deck section
Track format – 4 tracks, 2 channels / Frequency range – Normal tape: 50 - 12,500 Hz (EIAJ) / Recording system – AC bias / Erasing system – AC erase / Heads – Recording/playback head (1), Erasure head (1)

CD player section
Disc – Compact disc / Scanning method – Non-contact optical scanner (semiconductor laser)

General <UC, U>
Speaker – 80 mm cone type (2) / Output – Headphones jack (stereo mini-jack) / Power output – 2.5 W + 2.5 W (EIAJ, 7 ohms, THD 10% DC) / Power requirements – DC 12 V using eight size C (R14) batteries, AC 120 V, 60 Hz / Power consumption – 16 W / Dimensions (W × H × D) – 306 × 155 × 253 mm (12 1 /8 × 6 1 /8 × 10 in.) / Weight (excluding batteries) – 2.5 kg (5 lbs. 8 oz.)

General <LH>
Speaker – 80 mm cone type (2) / Output – Headphones jack (stereo mini-jack) / Power output – 2.5 W + 2.5 W (EIAJ 7 ohms, T.H.D. 10% DC), 1.8 W + 1.8 W (DIN 1% Rated Power) / Power requirements – DC 12 V using eight size C (R14) batteries, AC 110-120 V/ 220-240 V switchable, 50/60 Hz / Power consumption – 16 W / Dimensions (W × H × D) – 306 × 155 × 253 mm / Weight (excluding batteries) – 2.5 kg / Accessories – Remote control (1), AC cord (1)

- Design and specifications are subject to change without notice.

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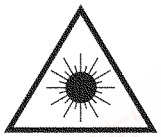
PROTECTION OF EYES FROM LASER BEAM DURING SERVICING -1/1

This set employs laser. Therefore, be sure to follow carefully the instructions below when servicing.

WARNING!!

WHEN SERVICING, DO NOT APPROACH THE LASER EXIT WITH THE EYE TOO CLOSELY. IN CASE IT IS NECESSARY TO CONFIRM LASER BEAM EMISSION. BE SURE TO OBSERVE FROM A DISTANCE OF MORE THAN 30cm FROM THE SURFACE OF THE OBJECTIVE LENS ON THE OPTICAL PICK-UP BLOCK.



- Caution: Invisible laser radiation when open and interlocks defeated avoid exposure to beam.
- Advarsel: Usynlig laserståling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

VAROITUS!

Laiteen Käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saataa altistaa käyt-täjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteilylle.

VARNING!

Om apparaten används på annat sätt än vad som specificeras i denna bruksanvising, kan användaren utsättas för osynling laserstrålning, som överskrider gränsen för laserklass 1.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herin may result in hazardous radiation exposure.

ATTENTION

L'utillisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

ADVARSEL

Usynlig laserståling ved åbning, når sikkerhedsafbrydereer ude af funktion. Undgå udsættelse for stråling.

This Compact Disc player is classified as a CLASS 1 LASER product.
The CLASS 1 LASER PRODUCT label is located on the rear exterior.

CLASS 1	LASER PRODUCT
KLASSE 1	LASER PRODUKT
LUOKAN 1	LASER LAITE
KLASS 1	LASER APPARAT

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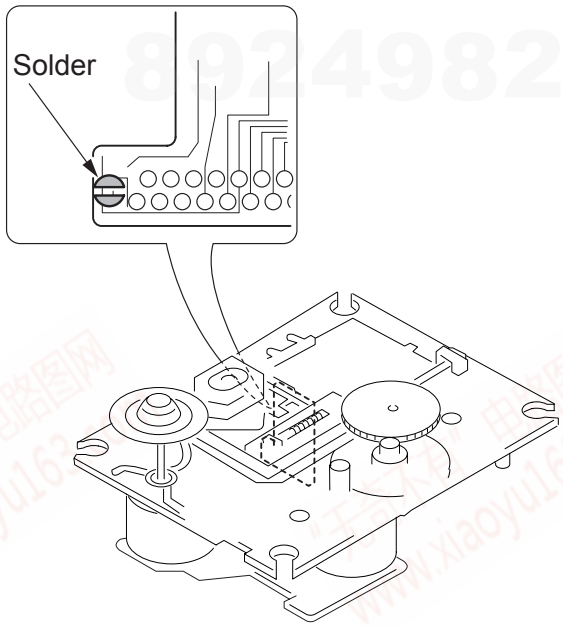
PRECAUTION TO REPALCE OPTICAL BLOCK (KSM-213 RDM) -1/1

Body or clothes electrostatic potential could ruin laser diode in the optical block. Be sure ground body and workbench, and use care the clothes do not touch the diode.

1) After the connection, remove solder shown in the right figure.



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ACCESSORIES PARTS LIST -1/1

! = ⚠SAFTY PARTS
C = Components marked
All components used on this model at the production line are shown in this service manual.
However, please note that not all components will be available as spare parts for after-sales service.
Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.
Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL					
						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
	!	X	AS1001	87-A80-109-010	AC CORD,HK7281 BLK U	a	b	.	.	.	f
	!	O	AS1002	87-A80-187-010	AC CORD SET ASSY,BRAZ BLK	.	.	c	d	e	.
	!	O	AS1003	87-A91-017-010	PLUG,CONVERSION JT-0476	.	.	c	d	e	.
		O	AS1004	8C-CHM-951-010	RC UNIT,RC-CAT2	a	b	c	d	e	f
		O	AS1005	8C-CHB-903-010	IB,U/C(ESF)AL TD39/49	a	b	.	.	.	f
		O	AS1006	8C-CHM-902-010	IB,LH(ESP)AL TD49	.	.	c	d	e	.

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ELECTRICAL PARTS LIST -1/12 (CSD-TD49) -1/10

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Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL					
						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
CD		O	C	0105	87-010-405-080 CAP,E 10-50 M 11L SME	a	b	c	d	e	f
CD		O	C	0106	87-010-404-080 CAP,E 4.7-50 M 11L SME	a	b	c	d	e	f
CD		O	C	0107	87-010-265-080 CAP,E 33-16 M 11L SME	a	b	c	d	e	f
CD		O	C	0108	87-010-401-080 CAP,E 1-50 M 11L SME	a	b	c	d	e	f
CD		O	C	0109	87-016-459-080 CAP,E 470-10 M SMG	a	b	c	d	e	f
CD		O	C	0110	87-A12-777-090 CAP,E 3300-25 M 85 SKR	a	b	c	d	e	f
CD		O	C	0255	87-010-404-080 CAP,E 4.7-50 M 11L SME	a	b	c	d	e	f
CD		O	C	0263	87-012-274-080 C-CAP,U 1000P-50 K B GRM	a	b	c	d	e	f
CD		O	C	0264	87-012-274-080 C-CAP,U 1000P-50 K B GRM	a	b	c	d	e	f
CD		O	C	0265	87-010-382-010 CAP,E 22-25 M SME	a	b	c	d	e	f
CD		O	C	0266	87-010-382-010 CAP,E 22-25 M SME	a	b	c	d	e	f
CD		O	C	0267	87-016-251-080 CAP,E 220-16 M SMG	a	b	c	d	e	f
CD		O	C	0268	87-016-251-080 CAP,E 220-16 M SMG	a	b	c	d	e	f
CD		O	C	0271	87-010-381-080 CAP,E 330-16 M SME	a	b	c	d	e	f
CD		O	C	0272	87-010-381-080 CAP,E 330-16 M SME	a	b	c	d	e	f
CD		O	C	0273	87-A11-012-080 CAP,M 0.15-50 J DE	a	b	c	d	e	f
CD		O	C	0274	87-A11-012-080 CAP,M 0.15-50 J DE	a	b	c	d	e	f
CD		O	C	0278	87-010-385-080 CAP,E 220-25 M SME	a	b	c	d	e	f
CD		O	C	0279	87-A12-068-080 CAP,E 470-16 SMG	a	b	c	d	e	f
CD		O	C	0372	87-010-759-080 C-CAP,U 0.1-25 Z F CM/CB	a	b	c	d	e	f
						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
CD		O	C	0374	87-010-759-080 C-CAP,U 0.1-25 Z F CM/CB	a	b	c	d	e	f
CD		O	C	0401	87-A11-132-080 CAP,TC U 0.01-50 K B	a	b	c	d	e	f
CD		O	C	0402	87-A12-064-080 CAP,E 1000-10 SMG	a	b	c	d	e	f
CD		O	C	0404	87-012-172-080 C-CAP,U 10P-50 D CH GRM	a	b	c	d	e	f
CD		O	C	0405	87-012-169-080 C-CAP,U 7P-50 D CH GRM	a	b	c	d	e	f
CD		O	C	0407	87-A11-088-080 CAP,TC U 100P-50 J CH	a	b	c	d	e	f
CD		O	C	0407	87-010-759-080 C-CAP,U 0.1-25 Z F CM/CB	a	b	c	d	e	f
CD		O	C	0408	87-010-263-080 CAP,E 100-10 M 11L SME	a	b	c	d	e	f
CD		O	C	0409	87-010-759-080 C-CAP,U 0.1-25 Z F CM/CB	a	b	c	d	e	f
CD		O	C	0410	87-010-260-080 CAP,E 47-25 M 11L SME	a	b	c	d	e	f
CD		O	C	0411	87-010-759-080 C-CAP,U 0.1-25 Z F CM/CB	a	b	c	d	e	f
CD		O	C	0412	87-010-405-080 CAP,E 10-50 M 11L SME	a	b	c	d	e	f
CD		O	C	0413	87-010-759-080 C-CAP,U 0.1-25 Z F CM/CB	a	b	c	d	e	f
CD		O	C	0414	87-010-263-080 CAP,E 100-10 M 11L SME	a	b	c	d	e	f
CD		O	C	0415	87-010-759-080 C-CAP,U 0.1-25 Z F CM/CB	a	b	c	d	e	f
CD		O	C	0416	87-010-403-080 CAP,E 3.3-50 M 11L SME	a	b	c	d	e	f
CD		O	C	0417	87-010-759-080 C-CAP,U 0.1-25 Z F CM/CB	a	b	c	d	e	f
CD		O	C	0418	87-A10-504-080 C-CAP,U 0.047-16 K B	a	b	c	d	e	f
CD		O	C	0419	87-010-403-080 CAP,E 3.3-50 M 11L SME	a	b	c	d	e	f
CD		O	C	0420	87-010-759-080 C-CAP,U 0.1-25 Z F CM/CB	a	b	c	d	e	f
						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
CD		O	C	0421	87-010-759-080 C-CAP,U 0.1-25 Z F CM/CB	a	b	c	d	e	f
CD		O	C	0422	87-010-263-080 CAP,E 100-10 M 11L SME	a	b	c	d	e	f
CD		O	C	0423	87-A10-504-080 C-CAP,U 0.047-16 K B	a	b	c	d	e	f
CD		O	C	0424	87-010-759-080 C-CAP,U 0.1-25 Z F CM/CB	a	b	c	d	e	f
CD		O	C	0425	87-012-188-080 C-CAP,U 47P-50 J CH GRM	a	b	c	d	e	f
CD		O	C	0426	87-012-282-080 C-CAP,U 4700P-50 K B GRM	a	b	c	d	e	f
CD		O	C	0427	87-010-759-080 C-CAP,U 0.1-25 Z F CM/CB	a	b	c	d	e	f
CD		O	C	0428	87-010-263-080 CAP,E 100-10 M 11L SME	a	b	c	d	e	f
CD		O	C	0429	87-010-263-080 CAP,E 100-10 M 11L SME	a	b	c	d	e	f
CD		O	C	0430	87-010-759-080 C-CAP,U 0.1-25 Z F CM/CB	a	b	c	d	e	f
CD		O	C	0431	87-010-263-080 CAP,E 100-10 M 11L SME	a	b	c	d	e	f
CD		O	C	0432	87-010-405-080 CAP,E 10-50 M 11L SME	a	b	c	d	e	f
CD		O	C	0433	87-010-545-010 CAP,E 0.22-50 M SME	a	b	c	d	e	f
CD		O	C	0434	87-012-188-080 C-CAP,U 47P-50 J CH GRM	a	b	c	d	e	f
CD		O	C	0435	87-010-759-080 C-CAP,U 0.1-25 Z F CM/CB	a	b	c	d	e	f
CD		O	C	0436	87-010-263-080 CAP,E 100-10 M 11L SME	a	b	c	d	e	f
CD		O	C	0437	87-010-405-080 CAP,E 10-50 M 11L SME	a	b	c	d	e	f
CD		O	C	0438	87-012-274-080 C-CAP,U 1000P-50 K B GRM	a	b	c	d	e	f
CD		O	C	0439	87-010-263-080 CAP,E 100-10 M 11L SME	a	b	c	d	e	f
CD		O	C	0440	87-010-759-080 C-CAP,U 0.1-25 Z F CM/CB	a	b	c	d	e	f
						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
CD		O	C	0441	87-010-263-080 CAP,E 100-10 M 11L SME	a	b	c	d	e	f
CD		O	C	0442	87-010-759-080 C-CAP,U 0.1-25 Z F CM/CB	a	b	c	d	e	f
CD		O	C	0443	87-010-112-080 CAP,E 100-16 M 11L SME	a	b	c	d	e	f
CD		O	C	0444	87-A11-148-080 CAP,TC U 0.1-50 Z F	a	b	c	d	e	f
CD		O	C	0445	87-010-759-080 C-CAP,U 0.1-25 Z F CM/CB	a	b	c	d	e	f
CD		O	C	0446	87-010-263-080 CAP,E 100-10 M 11L SME	a	b	c	d	e	f
CD		O	C	0451	87-012-195-080 C-CAP,U 100P-50 J CH GRM	a	b	c	d	e	f
CD		O	C	0452	87-012-195-080 C-CAP,U 100P-50 J CH GRM	a	b	c	d	e	f
CD		O	C	0453	87-012-195-080 C-CAP,U 100P-50 J CH GRM	a	b	c	d	e	f
CD		O	C	0454	87-012-195-080 C-CAP,U 100P-50 J CH GRM	a	b	c	d	e	f
CD		O	C	0455	87-012-195-080 C-CAP,U 100P-50 J CH GRM	a	b	c	d	e	f
CD		O	C	0456	87-012-195-080 C-CAP,U 100P-50 J CH GRM	a	b	c	d	e	f
CD		O	C	0457	87-010-263-080 CAP,E 100-10 M 11L SME	a	b	c	d	e	f
CD		O	C	0458	87-010-544-040 CAP,E 0.1-50 M 11L SME	a	b	c	d	e	f
CD		O	C	0459	87-010-544-040 CAP,E 0.1-50 M 11L SME	a	b	c	d	e	f
CD		O	C	0470	87-012-274-080 C-CAP,U 1000P-50 K B GRM	a	b	c	d	e	f
CD		O	C	0472	87-018-121-080 CAP,TC U 150P-50 K B UP050	a	b	c	d	e	f
CD		O	C	0476	87-012-278-080 C-CAP,U 2200P-50 K B GRM	a	b	c	d	e	f
CD		O	CAN0203		8C-CHB-650-010 CONN ASSY,4P MAIN-SP	a	b	c	d	e	f
CD		O	CAN0402		8C-CHB-647-010 CONN ASSY,2P CD-DOORSW	a	b	c	d	e	f

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ELECTRICAL PARTS LIST -2/12 (CSD-TD49) -2/10

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						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
CD		O	CN	0203	87-049-469-010 CONN,4P V WHT EH	a	b	c	d	e	f
CD		O	CN	0401	87-A60-424-010 CONN,16P V TOC-B	a	b	c	d	e	f
CD		O	CN	0402	87-A60-619-010 CONN,2P V 2MM JMT	a	b	c	d	e	f
CD		O	CN	0802	87-099-186-010 CONN,6P V WHT EH	a	b	c	d	e	f
CD		O	CN	0804	87-099-186-010 CONN,6P V WHT EH	a	b	c	d	e	f
CD		O	CNA	0401	8C-CHB-640-010 CONN ASSY,6P CD-CDMECHA	a	b	c	d	e	f
CD		S	D	0106	87-070-345-080 DIODE,1N4148	a	b	c	d	e	f
CD		S	D	0107	87-070-345-080 DIODE,1N4148	a	b	c	d	e	f
CD		S	D	0108	87-020-465-080 DIODE,1SS133	a	b	c	d	e	f
CD		S	D	0109	87-020-465-080 DIODE,1SS133	a	b	c	d	e	f
CD		S	D	0110	87-017-162-080 ZENER,HZS7C3L	a	b	c	d	e	f
CD		S	D	0401	87-020-465-080 DIODE,1SS133	a	b	c	d	e	f
CD		S	D	0402	87-020-465-080 DIODE,1SS133	.	.	c	d	e	.
CD		S	D	0403	87-A40-743-080 ZENER,UZ4.3BSA	a	b	c	d	e	f
CD		S	D	0404	87-A40-747-080 ZENER,UZ5.1BSB	a	b	c	d	e	f
CD		O	FFC	0002	8C-CHB-644-010 FF-CABLE,16P 1.0 CD-PU	a	b	c	d	e	f
CD		S	IC	0202	87-A21-193-010 IC,TA8227P	a	b	c	d	e	f
CD		S	IC	0401	87-A22-242-030 C-IC,LC78646E	a	b	c	d	e	f
CD		S	IC	0402	87-A22-115-010 C-IC,MM1469PH	a	b	c	d	e	f
CD		O	J	0201	87-A60-420-010 JACK,3.5 ST (MSC)	a	b	c	d	e	f

UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL					
						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
CD		X	JR	0101	88-108-000-080 C-JUMPER,U	a	b	c	d	e	f
CD		X	JR	0102	88-108-000-080 C-JUMPER,U	a	b	c	d	e	f
CD		X	JR	0111	88-108-000-080 C-JUMPER,U	a	b	c	d	e	f
CD		X	JR	0204	88-108-000-080 C-JUMPER,U	a	b	c	d	e	f
CD		X	JR	0308	88-108-000-080 C-JUMPER,U	a	b	c	d	e	f
CD		X	JR	0403	88-108-000-080 C-JUMPER,U	a	b	c	d	e	f
CD		X	JR	0422	88-108-000-080 C-JUMPER,U	a	b	c	d	e	f
CD		X	JR	0433	88-108-000-080 C-JUMPER,U	a	b	c	d	e	f
CD		X	JR	0434	88-108-000-080 C-JUMPER,U	a	b	c	d	e	f
CD		S	Q	0101	89-213-702-010 TR,2SB1370E	a	b	.	.	.	f
CD		S	Q	0101	89-112-965-080 TR,2SA1296GR	.	.	c	d	e	.
CD		S	Q	0102	87-A30-216-080 TR,2SA933AS(R)	a	b	c	d	e	f
CD		S	Q	0103	87-A30-623-080 TR,DTC124XSA	a	b	c	d	e	f
CD		S	Q	0104	89-213-702-010 TR,2SB1370E	a	b	c	d	e	f
CD		S	Q	0105	87-026-462-080 TR,2SC1740SRS	a	b	c	d	e	f
CD		S	Q	0243	87-026-610-080 TR,KTC3198GR	a	b	c	d	e	f
CD		S	Q	0244	87-026-610-080 TR,KTC3198GR	a	b	c	d	e	f
CD		S	Q	0401	89-112-965-080 TR,2SA1296GR	a	b	c	d	e	f
CD		S	Q	0402	87-026-215-080 TR,DTC114YS	a	b	c	d	e	f
CD		S	Q	0407	87-026-610-080 TR,KTC3198GR	a	b	c	d	e	f

UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL					
						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
CD		S	Q	0408	87-026-609-080 TR,KTA1266GR	a	b	c	d	e	f
CD		S	Q	0409	87-026-609-080 TR,KTA1266GR	a	b	c	d	e	f
CD		S	Q	0498	87-A30-432-040 C-TR,DTC124XKA	a	b	c	d	e	f
CD		S	Q	0499	87-A30-432-040 C-TR,DTC124XKA	a	b	c	d	e	f
CD		X	R	0101	88-121-102-080 RES,1K-1/8W J	a	b	c	d	e	f
CD		X	R	0102	88-108-474-080 C-RES,U 470K-1/16W J	a	b	c	d	e	f
CD		X	R	0103	88-108-471-080 C-RES,U 470-1/16W J	a	b	c	d	e	f
CD		X	R	0104	88-121-103-080 RES,10K-1/8W J	a	b	c	d	e	f
CD		X	R	0105	88-121-152-080 RES,1.5K-1/8W J	a	b	c	d	e	f
CD		O	R	0106	88-108-101-080 C-RES,U 100-1/16W J	a	b	c	d	e	f
CD		X	R	0107	88-121-471-080 RES,470-1/8W J	a	b	c	d	e	f
CD		X	R	0251	88-121-152-080 RES,1.5K-1/8W J	a	b	c	d	e	f
CD		X	R	0252	88-121-152-080 RES,1.5K-1/8W J	a	b	c	d	e	f
CD		X	R	0253	88-108-561-080 C-RES,U 560-1/16W J	a	b	c	d	e	f
CD		X	R	0254	88-108-561-080 C-RES,U 560-1/16W J	a	b	c	d	e	f
CD		X	R	0255	88-121-332-080 RES,3.3K-1/8W J	a	b	c	d	e	f
CD		X	R	0270	88-108-104-080 C-RES,U 100K-1/16W J	a	b	c	d	e	f
CD		X	R	0271	88-121-393-080 RES,39K-1/8W J	a	b	c	d	e	f
CD		X	R	0272	88-121-393-080 RES,39K-1/8W J	a	b	c	d	e	f
CD		O	R	0274	88-108-101-080 C-RES,U 100-1/16W J	a	b	c	d	e	f

UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL					
						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
CD		X	R	0275	88-121-101-080 RES,100-1/8W J	a	b	c	d	e	f
CD		O	R	0277	87-029-124-080 RES,FUSE 2.2-1/4W J	a	b	c	d	e	f
CD		O	R	0278	87-029-124-080 RES,FUSE 2.2-1/4W J	a	b	c	d	e	f
CD		X	R	0283	88-121-181-080 RES,180-1/8W J	a	b	c	d	e	f
CD		X	R	0284	88-121-181-080 RES,180-1/8W J	a	b	c	d	e	f
CD		X	R	0401	88-121-102-080 RES,1K-1/8W J	a	b	c	d	e	f
CD		X	R	0402	88-121-473-080 RES,47K-1/8W J	a	b	c	d	e	f
CD		X	R	0403	88-121-331-080 RES,330-1/8W J	a	b	c	d	e	f
CD		X	R	0406	88-100-000-010 PLATING-JW, 0.58 SN95	a	b	c	d	e	f
CD		X	R	0406	88-130-119-080 RES,1.1-1/4W J	.	.	c	d	e	.
CD		X	R	0416	88-108-221-080 C-RES,U 220-1/16W J	a	b	c	d	e	f
CD		X	R	0417	88-118-470-080 C-RES,S 47-1/10W J	a	b	c	d	e	f
CD		X	R	0418	88-118-100-080 C-RES,S 10-1/10W J	a	b	c	d	e	f
CD		X	R	0419	88-118-101-080 C-RES,S 100-1/10W J	a	b	c	d	e	f
CD		X	R	0420	88-118-152-080 C-RES,S 1.5K-1/10W J	a	b	c	d	e	f
CD		X	R	0421	88-118-152-080 C-RES,S 1.5K-1/10W J	a	b	c	d	e	f
CD		X	R	0422	88-118-102-080 C-RES,S 1K-1/10W J	a	b	c	d	e	f
CD		X	R	0423	88-121-101-080 RES,100-1/8W J	a	b	c	d	e	f
CD		X	R	0424	88-121-101-080 RES,100-1/8W J	a	b	c	d	e	f
CD		X	R	0425	88-100-000-010 PLATING-JW, 0.58 SN95	a	b	c	d	e	f

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ELECTRICAL PARTS LIST -3/12 (CSD-TD49) -3/10

! = ⚠SAFTY PARTS
C = Components marked
All components used on this model at the production line are shown in this service manual.
However, please note that not all components will be available as spare parts for after-sales service.
Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.
Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL					
						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
CD		X	R 0426	88-118-152-080	C-RES,S 1.5K-1/10W J	a	b	c	d	e	f
CD		X	R 0427	88-118-152-080	C-RES,S 1.5K-1/10W J	a	b	c	d	e	f
CD		X	R 0428	88-118-470-080	C-RES,S 47-1/10W J	a	b	c	d	e	f
CD		O	R 0429	88-108-103-080	C-RES,U 10K-1/16W J	a	b	c	d	e	f
CD		O	R 0430	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c	d	e	f
CD		O	R 0431	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c	d	e	f
CD		O	R 0432	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c	d	e	f
CD		O	R 0433	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c	d	e	f
CD		O	R 0434	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c	d	e	f
CD		O	R 0435	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c	d	e	f
CD		O	R 0436	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c	d	e	f
CD		X	R 0437	88-108-681-080	C-RES,U 680-1/16W J	a	b	c	d	e	f
CD		X	R 0438	88-108-681-080	C-RES,U 680-1/16W J	a	b	c	d	e	f
CD		O	R 0439	88-108-123-080	C-RES,U 12K-1/16W J	a	b	c	d	e	f
CD		X	R 0440	88-108-122-080	C-RES,U 1.2K-1/16W J	a	b	c	d	e	f
CD		O	R 0441	88-108-103-080	C-RES,U 10K-1/16W J	a	b	c	d	e	f
CD		X	R 0442	88-108-273-080	C-RES,U 27K-1/16W J	a	b	c	d	e	f
CD		X	R 0443	88-108-331-080	C-RES,U 330-1/16W J	a	b	c	d	e	f
CD		X	R 0447	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
CD		X	R 0448	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
CD		O	R 0449	88-108-473-080	C-RES,U 47K-1/16W J	a	b	c	d	e	f
CD		O	R 0451	88-108-103-080	C-RES,U 10K-1/16W J	a	b	c	d	e	f
CD		X	R 0452	88-121-339-080	RES,3.3-1/8W J	a	b	c	d	e	f
CD		X	R 0453	88-108-333-080	C-RES,U 33K-1/16W J	a	b	c	d	e	f
CD		X	R 0454	88-108-183-080	C-RES,U 18K-1/16W J	a	b	c	d	e	f
CD		X	R 0455	88-108-183-080	C-RES,U 18K-1/16W J	a	b	c	d	e	f
CD		X	R 0456	88-108-183-080	C-RES,U 18K-1/16W J	a	b	c	d	e	f
CD		X	R 0457	88-108-183-080	C-RES,U 18K-1/16W J	a	b	c	d	e	f
CD		X	R 0458	88-121-333-080	RES,33K-1/8W J	a	b	c	d	e	f
CD		X	R 0459	88-108-181-080	C-RES,U 180-1/16W J	a	b	c	d	e	f
CD		X	R 0460	88-100-000-010	PLATING-JW, 0.58 SN95	a	b	c	d	e	f
CD		X	R 0461	88-100-000-010	PLATING-JW, 0.58 SN95	a	b	c	d	e	f
CD		X	R 0462	88-100-000-010	PLATING-JW, 0.58 SN95	a	b	c	d	e	f
CD		O	R 0463	88-108-103-080	C-RES,U 10K-1/16W J	a	b	c	d	e	f
CD		X	R 0464	88-118-479-080	C-RES,S 4.7-1/10W J	a	b	c	d	e	f
CD		X	R 0465	88-121-101-080	RES,100-1/8W J	a	b	c	d	e	f
CD		X	R 0466	88-121-392-080	RES,3.9K-1/8W J	a	b	c	d	e	f
CD		O	R 0470	88-108-103-080	C-RES,U 10K-1/16W J	a	b	c	d	e	f
CD		O	R 0476	88-108-101-080	C-RES,U 100-1/16W J	a	b	c	d	e	f
CD		O	R 0477	88-108-101-080	C-RES,U 100-1/16W J	a	b	c	d	e	f
						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
CD		O	R 0478	88-108-101-080	C-RES,U 100-1/16W J	a	b	c	d	e	f
CD		O	R 0479	88-108-101-080	C-RES,U 100-1/16W J	a	b	c	d	e	f
CD		O	R 0480	88-108-101-080	C-RES,U 100-1/16W J	a	b	c	d	e	f
CD		O	R 0481	88-108-101-080	C-RES,U 100-1/16W J	a	b	c	d	e	f
CD		O	R 0497	88-108-103-080	C-RES,U 10K-1/16W J	a	b	c	d	e	f
CD		O	R 0498	88-108-103-080	C-RES,U 10K-1/16W J	a	b	c	d	e	f
CD		O	R 0499	88-108-103-080	C-RES,U 10K-1/16W J	a	b	c	d	e	f
CD		O	SPK0001	8C-CHB-632-010	SPKR,80MM 7OHM 2.5W	a	b	c	d	e	f
CD		O	SPK0002	8C-CHB-632-010	SPKR,80MM 7OHM 2.5W	a	b	c	d	e	f
CD		O	SW 0401	87-A90-133-010	SW,LEAF LSA1120JAU	a	b	c	d	e	f
CD		O	X 0401	81-592-641-010	VIB,CER 16.93MHZ	a	b	c	d	e	f
FRONT		O	C 0151	87-010-263-080	CAP,E 100-10 M 11L SME	a	b	c	d	e	f
FRONT		O	C 0152	87-A12-063-080	CAP,E 220-10 SMG	a	b	c	d	e	f
FRONT		O	C 0153	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c	d	e	f
FRONT		O	C 0501	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a	b	c	d	e	f
FRONT		O	C 0503	87-010-982-040	CAP,E 33-25 M 5L SRE	a	b	c	d	e	f
FRONT		O	C 0603	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c	d	e	f
FRONT		O	C 0604	87-A12-062-080	CAP,E 100-10 SMG	a	b	c	d	e	f
FRONT		O	C 0605	87-010-405-080	CAP,E 10-50 M 11L SME	a	b	c	d	e	f
FRONT		O	C 0606	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a	b	c	d	e	f
						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
FRONT		O	C 0608	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c	d	e	f
FRONT		O	C 0651	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a	b	c	d	e	f
FRONT		O	C 0652	87-012-188-080	C-CAP,U 47P-50 J CH GRM	a	b	c	d	e	f
FRONT		O	C 0653	87-012-188-080	C-CAP,U 47P-50 J CH GRM	a	b	c	d	e	f
FRONT		O	C 0654	87-012-188-080	C-CAP,U 47P-50 J CH GRM	a	b	c	d	e	f
FRONT		O	C 0655	87-012-188-080	C-CAP,U 47P-50 J CH GRM	a	b	c	d	e	f
FRONT		O	C 0656	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c	d	e	f
FRONT		O	C 0661	87-010-550-040	CAP,E 100-6.3 M 5L SRE	a	b	c	d	e	f
FRONT		O	C 0663	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a	b	c	d	e	f
FRONT		O	C 0664	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a	b	c	d	e	f
FRONT		O	C 0665	87-A10-047-080	C-CAP,U 1-10 Z F	a	b	c	d	e	f
FRONT		O	C 0666	87-010-401-040	CAP,E 1-50 M 11L SME	a	b	c	d	e	f
FRONT		O	C 0667	87-012-178-080	C-CAP,U 18P-50 J CH GRM	a	b	c	d	e	f
FRONT		O	C 0668	87-012-180-080	C-CAP,U 22P-50 J CH GRM	a	b	c	d	e	f
FRONT		O	C 0669	87-012-186-080	C-CAP,U 39P-50 J CH GRM	a	b	c	d	e	f
FRONT		O	C 0670	87-012-176-080	C-CAP,U 15P-50 J CH GRM	a	b	c	d	e	f
FRONT		O	C 0671	87-012-186-080	C-CAP,U 39P-50 J CH GRM	a	b	c	d	e	f
FRONT		O	C 0672	87-010-549-040	CAP,E 47-6.3 M 5L SRE	a	b	c	d	e	f
FRONT		O	C 0673	87-A10-189-040	CAP,E 220-10 M 5L	a	b	c	d	e	f
FRONT		O	C 0674	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a	b	c	d	e	f

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ELECTRICAL PARTS LIST -4/12 (CSD-TD49) -4/10

! = ⚠SAFTY PARTS
C = Components marked
All components used on this model at the production line are shown in this service manual.
However, please note that not all components will be available as spare parts for after-sales service.
Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.
Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL					
						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
FRONT		O	C 0676	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c	d	e	f
FRONT		O	C 0677	87-A12-686-040	CAP,E 2.2-50 M 5L R85S5	a	b	c	d	e	f
FRONT		O	C 0678	87-A12-686-040	CAP,E 2.2-50 M 5L R85S5	a	b	c	d	e	f
FRONT		O	C 0679	87-A12-683-040	CAP,E 0.47-50 M 5L R85S5	a	b	c	d	e	f
FRONT		O	C 0698	87-018-134-080	CAP,TC U 0.01-16 N Y UP050	a	b	c	d	e	f
FRONT		O	C 0699	87-018-134-080	CAP,TC U 0.01-16 N Y UP050	a	b	c	d	e	f
FRONT		O	CN 0501	87-A60-080-010	CONN,07P H 9604S-07F	a	b	c	d	e	f
FRONT		X	CNA0601	8C-CHB-657-010	CONN ASSY,6P FR-MAIN	a	b	c	d	e	f
FRONT		X	CNA0602	8C-CHB-657-010	CONN ASSY,6P FR-MAIN	a	b	c	d	e	f
FRONT		X	CNA0603	8C-CHB-657-010	CONN ASSY,6P FR-MAIN	a	b	c	d	e	f
FRONT		X	CNA0604	8C-CHB-657-010	CONN ASSY,6P FR-MAIN	a	b	c	d	e	f
FRONT		O	CNA0605	8C-CHB-645-010	CONN ASSY,4P FR-TUNER	a	b	c	d	e	f
FRONT		O	CNA0606	8C-CHB-656-010	CONN ASSY,3P RIMOCON	a	b	c	d	e	f
FRONT		S	D 0151	87-001-731-080	ZENER,HZS6C2L	a	b	c	d	e	f
FRONT		S	D 0501	87-070-345-080	DIODE,1N4148	a	b	c	d	e	f
FRONT		S	D 0502	87-070-345-080	DIODE,1N4148	a	b	c	d	e	f
FRONT		S	D 0601	87-070-345-080	DIODE,1N4148	a	b	c	d	e	f
FRONT		S	D 0602	87-001-936-080	ZENER,HZS7A3L	a	b	c	d	e	f
FRONT		O	D 0603	8A-CDA-645-010	LED,6224-10ID RED	a	b	c	d	e	f
FRONT		S	D 0604	87-070-345-080	DIODE,1N4148	a	b	c	d	e	f

UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL					
						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
FRONT		S	D 0605	87-070-345-080	DIODE,1N4148	a	b	c	d	e	f
FRONT		S	D 0653	87-070-345-080	DIODE,1N4148	a	b	c	d	e	f
FRONT		S	D 0656	87-017-148-080	ZENER,HZS6A1L	a	b	c	d	e	f
FRONT		S	D 0658	87-A40-530-080	DIODE,RB721Q-40	a	b	c	d	e	f
FRONT		S	D 0659	87-A40-530-080	DIODE,RB721Q-40	a	b	c	d	e	f
FRONT		S	D 0660	87-070-345-080	DIODE,1N4148	a	b	c	d	e	f
FRONT		S	D 0661	87-070-345-080	DIODE,1N4148	a	b	c	d	e	f
FRONT		O	FFC0001	8C-CHB-641-010	FF-CABLE,7P 1.25 FR-TAPE	a	b	c	d	e	f
FRONT		S	IC 0651	8C-CHE-631-030	C-IC,LC867132V-5Z39	a	b	c	d	e	f
FRONT		X	JP 0602	88-100-000-010	PLATING-JW, 0.58 SN95	a	b	c	d	e	f
FRONT		X	JP 0603	88-100-000-010	PLATING-JW, 0.58 SN95	a	b	c	d	e	f
FRONT		X	JP 0604	88-100-000-010	PLATING-JW, 0.58 SN95	a	b	c	d	e	f
FRONT		X	JR 0151	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
FRONT		X	JR 0601	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
FRONT		X	JR 0602	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
FRONT		X	JR 0603	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
FRONT		X	JR 0604	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
FRONT		X	JR 0605	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
FRONT		X	JR 0606	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
FRONT		X	JR 0607	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f

UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL					
						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
FRONT		X	JR 0608	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
FRONT		X	JR 0609	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
FRONT		X	JR 0610	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
FRONT		X	JR 0611	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
FRONT		X	JR 0612	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
FRONT		X	JR 0613	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
FRONT		X	JR 0614	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
FRONT		X	JR 0615	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
FRONT		X	JR 0616	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
FRONT		X	JR 0617	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
FRONT		X	JR 0618	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
FRONT		X	JR 0619	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
FRONT		X	JR 0620	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
FRONT		X	JR 0621	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
FRONT		X	JR 0622	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
FRONT		X	JR 0624	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
FRONT		X	JR 0625	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
FRONT		O	L 0651	87-003-097-080	COIL,1.0UH K LAL02	a	b	c	d	e	f
FRONT		O	L 0652	87-003-097-080	COIL,1.0UH K LAL02	a	b	c	d	e	f
FRONT		X	L 0653	88-100-000-010	PLATING-JW, 0.58 SN95	a	b	c	d	e	f

UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL					
						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
FRONT		O	LCD0601	8C-CHB-633-110	LCD,CCH-B/ADAMANT	a	b	c	d	e	f
FRONT		S	Q 0151	87-A30-630-080	TR,2SC5343GL	a	b	c	d	e	f
FRONT		S	Q 0501	87-A30-427-040	C-TR,DTC114EKA	a	b	c	d	e	f
FRONT		S	Q 0502	89-112-965-080	TR,2SA1296GR	a	b	c	d	e	f
FRONT		S	Q 0503	87-A30-273-040	C-TR,DTC124EKA	a	b	c	d	e	f
FRONT		S	Q 0504	89-109-521-080	TR,2SA952K	a	b	c	d	e	f
FRONT		S	Q 0601	87-026-462-080	TR,2SC1740SRS	a	b	c	d	e	f
FRONT		S	Q 0602	87-A30-432-040	C-TR,DTC124XKA	a	b	c	d	e	f
FRONT		S	Q 0604	87-A30-432-040	C-TR,DTC124XKA	a	b	c	d	e	f
FRONT		S	Q 0605	87-A30-432-040	C-TR,DTC124XKA	a	b	c	d	e	f
FRONT		S	Q 0651	87-A30-432-040	C-TR,DTC124XKA	a	b	c	d	e	f
FRONT		S	Q 0652	87-A30-216-080	TR,2SA933AS(R)	a	b	c	d	e	f
FRONT		S	Q 0653	87-A30-432-040	C-TR,DTC124XKA	a	b	c	d	e	f
FRONT		X	R 0151	88-130-220-080	RES,22-1/4W J	a	b	c	d	e	f
FRONT		X	R 0152	88-108-682-080	C-RES,U 6.8K-1/16W J	a	b	c	d	e	f
FRONT		X	R 0501	88-108-122-080	C-RES,U 1.2K-1/16W J	a	b	c	d	e	f
FRONT		O	R 0502	88-108-103-080	C-RES,U 10K-1/16W J	a	b	c	d	e	f
FRONT		O	R 0503	88-108-223-080	C-RES,U 22K-1/16W J	a	b	c	d	e	f
FRONT		X	R 0504	88-108-222-080	C-RES,U 2.2K-1/16W J	a	b	c	d	e	f
FRONT		X	R 0505	88-108-683-080	C-RES,U 68K-1/16W J	a	b	c	d	e	f

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ELECTRICAL PARTS LIST -5/12 (CSD-TD49) -5/10

! = ⚠SAFTY PARTS
C = Components marked
All components used on this model at the production line are shown in this service manual.
However, please note that not all components will be available as spare parts for after-sales service.
Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.
Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL					
						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
FRONT		X	R 0506	88-108-154-080	C-RES,U 150K-1/16W J	a	b	c	d	e	f
FRONT		O	R 0508	88-108-153-080	C-RES,U 15K-1/16W J	a	b	c	d	e	f
FRONT		O	R 0601	88-108-103-080	C-RES,U 10K-1/16W J	a	b	c	d	e	f
FRONT		O	R 0602	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c	d	e	f
FRONT		X	R 0603	88-108-821-080	C-RES,U 820-1/16W J	a	b	c	d	e	f
FRONT		O	R 0604	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c	d	e	f
FRONT		X	R 0605	88-108-122-080	C-RES,U 1.2K-1/16W J	a	b	c	d	e	f
FRONT		X	R 0606	88-108-122-080	C-RES,U 1.2K-1/16W J	a	b	c	d	e	f
FRONT		X	R 0607	88-108-152-080	C-RES,U 1.5K-1/16W J	a	b	c	d	e	f
FRONT		X	R 0608	88-108-182-080	C-RES,U 1.8K-1/16W J	a	b	c	d	e	f
FRONT		X	R 0609	88-108-222-080	C-RES,U 2.2K-1/16W J	a	b	c	d	e	f
FRONT		O	R 0610	88-108-103-080	C-RES,U 10K-1/16W J	a	b	c	d	e	f
FRONT		X	R 0611	88-130-102-080	RES,1K-1/4W J	a	b	c	d	e	f
FRONT		X	R 0612	88-108-821-080	C-RES,U 820-1/16W J	a	b	c	d	e	f
FRONT		O	R 0613	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c	d	e	f
FRONT		X	R 0614	88-108-122-080	C-RES,U 1.2K-1/16W J	a	b	c	d	e	f
FRONT		X	R 0615	88-108-122-080	C-RES,U 1.2K-1/16W J	a	b	c	d	e	f
FRONT		X	R 0616	88-108-100-080	C-RES,U 10-1/16W J	a	b	c	d	e	f
FRONT		X	R 0617	88-108-100-080	C-RES,U 10-1/16W J	a	b	c	d	e	f
FRONT		O	R 0618	88-108-103-080	C-RES,U 10K-1/16W J	a	b	c	d	e	f
						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
FRONT		O	R 0619	88-108-103-080	C-RES,U 10K-1/16W J	a	b	c	d	e	f
FRONT		O	R 0620	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c	d	e	f
FRONT		X	R 0621	88-108-392-080	C-RES,U 3.9K-1/16W J	a	b	c	d	e	f
FRONT		O	R 0622	88-108-103-080	C-RES,U 10K-1/16W J	a	b	c	d	e	f
FRONT		X	R 0623	88-108-152-080	C-RES,U 1.5K-1/16W J	a	b	c	d	e	f
FRONT		X	R 0624	88-108-221-080	C-RES,U 220-1/16W J	a	b	c	d	e	f
FRONT		O	R 0627	88-108-473-080	C-RES,U 47K-1/16W J	a	b	c	d	e	f
FRONT		O	R 0628	88-108-103-080	C-RES,U 10K-1/16W J	a	b	c	d	e	f
FRONT		X	R 0641	88-108-229-080	C-RES,U 2.2-1/16W J	a	b	c	d	e	f
FRONT		X	R 0642	88-108-229-080	C-RES,U 2.2-1/16W J	a	b	c	d	e	f
FRONT		X	R 0643	88-108-274-080	C-RES,U 270K-1/16W J	a	b	c	d	e	f
FRONT		X	R 0644	88-108-274-080	C-RES,U 270K-1/16W J	a	b	c	d	e	f
FRONT		O	R 0645	88-108-473-080	C-RES,U 47K-1/16W J	a	b	c	d	e	f
FRONT		O	R 0646	88-108-103-080	C-RES,U 10K-1/16W J	a	b	c	d	e	f
FRONT		X	R 0647	88-108-333-080	C-RES,U 33K-1/16W J	a	b	c	d	e	f
FRONT		X	R 0648	88-108-334-080	C-RES,U 330K-1/16W J	a	b	c	d	e	f
FRONT		O	R 0652	88-108-101-080	C-RES,U 100-1/16W J	a	b	c	d	e	f
FRONT		O	R 0653	88-108-101-080	C-RES,U 100-1/16W J	a	b	c	d	e	f
FRONT		O	R 0654	88-108-101-080	C-RES,U 100-1/16W J	a	b	c	d	e	f
						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
FRONT		O	R 0655	88-108-101-080	C-RES,U 100-1/16W J	a	b	c	d	e	f
FRONT		O	R 0656	88-108-101-080	C-RES,U 100-1/16W J	a	b	c	d	e	f
FRONT		O	R 0657	88-108-101-080	C-RES,U 100-1/16W J	a	b	c	d	e	f
FRONT		O	R 0658	88-108-101-080	C-RES,U 100-1/16W J	a	b	c	d	e	f
FRONT		O	R 0659	88-108-101-080	C-RES,U 100-1/16W J	a	b	c	d	e	f
FRONT		O	R 0660	88-108-101-080	C-RES,U 100-1/16W J	a	b	c	d	e	f
FRONT		O	R 0661	88-108-101-080	C-RES,U 100-1/16W J	a	b	c	d	e	f
FRONT		O	R 0662	88-108-101-080	C-RES,U 100-1/16W J	a	b	c	d	e	f
FRONT		O	R 0663	88-108-101-080	C-RES,U 100-1/16W J	a	b	c	d	e	f
FRONT		O	R 0664	88-108-101-080	C-RES,U 100-1/16W J	a	b	c	d	e	f
FRONT		O	R 0665	88-108-101-080	C-RES,U 100-1/16W J	a	b	c	d	e	f
FRONT		O	R 0666	88-108-101-080	C-RES,U 100-1/16W J	a	b	c	d	e	f
FRONT		X	R 0668	88-130-104-080	RES,100K-1/4W J	a	b	c	d	e	f
FRONT		O	R 0669	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c	d	e	f
FRONT		O	R 0671	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c	d	e	f
FRONT		O	R 0672	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c	d	e	f
FRONT		O	R 0673	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c	d	e	f
FRONT		O	R 0674	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c	d	e	f
FRONT		O	R 0675	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c	d	e	f
FRONT		O	R 0676	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c	d	e	.
						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
FRONT		O	R 0676	88-108-103-080	C-RES,U 10K-1/16W J	.	.	.	.	.	f
FRONT		O	R 0677	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c	d	e	f
FRONT		O	R 0678	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c	d	e	f
FRONT		O	R 0679	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c	d	e	f
FRONT		O	R 0680	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c	d	e	f
FRONT		O	R 0681	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c	d	e	f
FRONT		O	R 0682	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c	d	e	f
FRONT		O	R 0683	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c	d	e	f
FRONT		O	R 0684	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c	d	e	f
FRONT		O	R 0685	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c	d	e	f
FRONT		O	R 0686	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c	d	e	f
FRONT		X	R 0687	88-108-100-080	C-RES,U 10-1/16W J	a	b	c	d	e	f
FRONT		X	R 0688	88-108-104-080	C-RES,U 100K-1/16W J	a	b	c	d	e	f
FRONT		O	R 0689	88-108-332-080	C-RES,U 3.3K-1/16W J	a	b	c	d	e	f
FRONT		X	R 0690	88-108-152-080	C-RES,U 1.5K-1/16W J	a	b	c	d	e	f
FRONT		O	R 0691	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c	d	e	f
FRONT		X	R 0692	88-108-100-080	C-RES,U 10-1/16W J	a	b	c	d	e	f
FRONT		X	R 0693	88-108-104-080	C-RES,U 100K-1/16W J	a	b	c	d	e	f
FRONT		O	R 0694	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c	d	e	f
FRONT		O	R 0695	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c	d	e	f

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ELECTRICAL PARTS LIST -6/12 (CSD-TD49) -6/10

! = ⚠SAFTY PARTS
C = Components marked
All components used on this model at the production line are shown in this service manual.
However, please note that not all components will be available as spare parts for after-sales service.
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Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL					
						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
FRONT		O	R 0696	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c	d	e	f
FRONT		O	R 0697	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c	d	e	f
FRONT		O	R 0698	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c	d	e	f
FRONT		O	R 0699	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c	d	e	f
FRONT		O	S 0601	87-A91-704-080	SW,TACT EVQ 214 05R	a	b	c	d	e	f
FRONT		O	S 0602	87-A91-704-080	SW,TACT EVQ 214 05R	a	b	c	d	e	f
FRONT		O	S 0603	87-A91-704-080	SW,TACT EVQ 214 05R	a	b	c	d	e	f
FRONT		O	S 0604	87-A91-704-080	SW,TACT EVQ 214 05R	a	b	c	d	e	f
FRONT		O	S 0605	87-A91-704-080	SW,TACT EVQ 214 05R	a	b	c	d	e	f
FRONT		O	S 0606	87-A91-704-080	SW,TACT EVQ 214 05R	a	b	c	d	e	f
FRONT		O	S 0607	87-A91-704-080	SW,TACT EVQ 214 05R	a	b	c	d	e	f
FRONT		O	S 0608	87-A91-704-080	SW,TACT EVQ 214 05R	a	b	c	d	e	f
FRONT		O	S 0609	87-A91-704-080	SW,TACT EVQ 214 05R	a	b	c	d	e	f
FRONT		O	S 0610	87-A91-704-080	SW,TACT EVQ 214 05R	a	b	c	d	e	f
FRONT		O	S 0611	87-A91-704-080	SW,TACT EVQ 214 05R	a	b	c	d	e	f
FRONT		O	S 0612	87-A91-704-080	SW,TACT EVQ 214 05R	a	b	c	d	e	f
FRONT		O	S 0613	87-A91-704-080	SW,TACT EVQ 214 05R	a	b	c	d	e	f
FRONT		O	S 0614	87-A91-704-080	SW,TACT EVQ 214 05R	a	b	c	d	e	f
FRONT		O	S 0615	87-A91-704-080	SW,TACT EVQ 214 05R	a	b	c	d	e	f
FRONT		O	X 0651	87-030-364-010	VIB,XTAL 32.768KHZ CFS-308 CT	a	b	c	d	e	f
						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
FRONT		O	X 0652	87-A70-070-080	VIB,CER 5.76MHZ CRHF	a	b	c	d	e	f
MAIN		O	C 0111	87-010-401-080	CAP,E 1-50 M 11L SME	a	b	c	d	e	f
MAIN		O	C 0211	87-010-546-080	CAP,E 0.33-50 M 11L SME	a	b	c	d	e	f
MAIN		O	C 0212	87-010-546-080	CAP,E 0.33-50 M 11L SME	a	b	c	d	e	f
MAIN		O	C 0231	87-A10-289-080	CAP,M 3300P-50 J	a	b	c	d	e	f
MAIN		O	C 0232	87-A10-289-080	CAP,M 3300P-50 J	a	b	c	d	e	f
MAIN		O	C 0233	87-010-709-080	CAP,E 0.22-50 M BP SM	a	b	c	d	e	f
MAIN		O	C 0234	87-010-709-080	CAP,E 0.22-50 M BP SM	a	b	c	d	e	f
MAIN		O	C 0235	87-A10-260-080	C-CAP,U 0.1-16 K B	a	b	c	d	e	f
MAIN		O	C 0236	87-A10-260-080	C-CAP,U 0.1-16 K B	a	b	c	d	e	f
MAIN		O	C 0237	87-010-375-080	CAP,E 330-10 M 11L SME	a	b	c	d	e	f
MAIN		O	C 0238	87-010-263-080	CAP,E 100-10 M 11L SME	a	b	c	d	e	f
MAIN		O	C 0241	87-010-400-080	CAP,E 0.47-50 M 11L SME	a	b	c	d	e	f
MAIN		O	C 0242	87-010-400-080	CAP,E 0.47-50 M 11L SME	a	b	c	d	e	f
MAIN		O	C 0243	87-010-401-080	CAP,E 1-50 M 11L SME	a	b	c	d	e	f
MAIN		O	C 0244	87-010-401-080	CAP,E 1-50 M 11L SME	a	b	c	d	e	f
MAIN		O	C 0289	87-012-199-080	C-CAP,U 220P-50 J CH GRM	a	b	c	d	e	f
MAIN		O	C 0290	87-012-199-080	C-CAP,U 220P-50 J CH GRM	a	b	c	d	e	f
MAIN		O	C 0305	87-010-375-080	CAP,E 330-10 M 11L SME	a	b	c	d	e	f
MAIN		O	C 0306	87-010-375-080	CAP,E 330-10 M 11L SME	a	b	c	d	e	f
						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
MAIN		O	C 0307	87-A11-228-080	C-CAP,U 0.027-25 K B	a	b	c	d	e	f
MAIN		O	C 0308	87-A11-228-080	C-CAP,U 0.027-25 K B	a	b	c	d	e	f
MAIN		O	C 0311	87-010-546-080	CAP,E 0.33-50 M 11L SME	a	b	c	d	e	f
MAIN		O	C 0312	87-010-546-080	CAP,E 0.33-50 M 11L SME	a	b	c	d	e	f
MAIN		O	C 0313	87-012-283-080	C-CAP,U 5600P-50 K B GRM	a	b	c	d	e	f
MAIN		O	C 0314	87-012-283-080	C-CAP,U 5600P-50 K B GRM	a	b	c	d	e	f
MAIN		O	C 0323	87-012-271-080	C-CAP,U 560P-50 K B GRM	a	b	c	d	e	f
MAIN		O	C 0324	87-012-271-080	C-CAP,U 560P-50 K B GRM	a	b	c	d	e	f
MAIN		O	C 0357	87-010-784-080	C-CAP,U 0.012-25 K B GRM	a	b	c	d	e	f
MAIN		O	C 0358	87-010-784-080	C-CAP,U 0.012-25 K B GRM	a	b	c	d	e	f
MAIN		O	C 0363	87-010-401-080	CAP,E 1-50 M 11L SME	a	b	c	d	e	f
MAIN		O	C 0364	87-010-401-080	CAP,E 1-50 M 11L SME	a	b	c	d	e	f
MAIN		O	C 0367	87-015-765-080	C-CAP, 120P-50 J SL GR	a	b	c	d	e	f
MAIN		O	C 0368	87-015-765-080	C-CAP, 120P-50 J SL GR	a	b	c	d	e	f
MAIN		O	CAN0302	8C-CHB-648-010	CONN ASSY,8P MAIN-TAPE	a	b	c	d	e	f
MAIN		O	CN 0101	87-049-919-010	CONN,3P V WHT EH	a	b	c	d	e	f
MAIN		O	CN 0801	87-099-186-010	CONN,6P V WHT EH	a	b	c	d	e	f
MAIN		O	CN 0803	87-099-186-010	CONN,6P V WHT EH	a	b	c	d	e	f
MAIN		O	CNA0102	8C-CHB-649-010	CONN ASSY,7P MAIN-TU	a	b	c	d	e	f
MAIN		S	IC 0203	87-A22-236-040	C-IC,BD3881FV	a	b	c	d	e	f
						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
MAIN		X	JR 0301	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
MAIN		X	JR 0302	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
MAIN		X	JR 0303	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
MAIN		X	JR 0304	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
MAIN		X	JR 0305	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
MAIN		X	JR 0306	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
MAIN		X	JR 0307	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
MAIN		O	L 0101	87-003-097-080	COIL,1.0UH K LAL02	a	b	c	d	e	f
MAIN		O	L 0102	87-003-097-080	COIL,1.0UH K LAL02	a	b	c	d	e	f
MAIN		X	L 0301	88-100-000-010	PLATING-JW, 0.58 SN95	a	b	c	d	e	f
MAIN		O	R 0108	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c	d	e	f
MAIN		X	R 0206	88-121-101-080	RES,100-1/8W J	a	b	c	d	e	f
MAIN		X	R 0207	88-121-101-080	RES,100-1/8W J	a	b	c	d	e	f
MAIN		X	R 0215	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
MAIN		X	R 0216	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
MAIN		X	R 0219	88-108-472-080	C-RES,U 4.7K-1/16W J	a	b	c	d	e	f
MAIN		X	R 0220	88-108-472-080	C-RES,U 4.7K-1/16W J	a	b	c	d	e	f
MAIN		X	R 0231	88-108-222-080	C-RES,U 2.2K-1/16W J	a	b	c	d	e	f
MAIN		X	R 0232	88-108-222-080	C-RES,U 2.2K-1/16W J	a	b	c	d	e	f
MAIN		X	R 0233	88-121-102-080	RES,1K-1/8W J	a	b	c	d	e	f

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ELECTRICAL PARTS LIST -7/12 (CSD-TD49) -7/10

! = ⚠SAFTY PARTS
C = Components marked
All components used on this model at the production line are shown in this service manual.
However, please note that not all components will be available as spare parts for after-sales service.
Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.
Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL					
						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
MAIN		O	R 0234	87-012-188-080	C-CAP,U 47P-50 J CH GRM	a	b	c	d	e	f
MAIN		O	R 0235	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c	d	e	f
MAIN		X	R 0236	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
MAIN		X	R 0237	88-121-102-080	RES,1K-1/8W J	a	b	c	d	e	f
MAIN		O	R 0241	88-108-473-080	C-RES,U 47K-1/16W J	a	b	c	d	e	f
MAIN		O	R 0242	88-108-473-080	C-RES,U 47K-1/16W J	a	b	c	d	e	f
MAIN		O	R 0243	88-108-473-080	C-RES,U 47K-1/16W J	a	b	c	d	e	f
MAIN		O	R 0244	88-108-473-080	C-RES,U 47K-1/16W J	a	b	c	d	e	f
MAIN		X	R 0281	88-108-183-080	C-RES,U 18K-1/16W J	a	b	c	d	e	f
MAIN		X	R 0282	88-108-183-080	C-RES,U 18K-1/16W J	a	b	c	d	e	f
MAIN		X	R 0285	88-108-183-080	C-RES,U 18K-1/16W J	a	b	c	d	e	f
MAIN		X	R 0286	88-108-183-080	C-RES,U 18K-1/16W J	a	b	c	d	e	f
MAIN		X	R 0289	88-108-182-080	C-RES,U 1.8K-1/16W J	a	b	c	d	e	f
MAIN		X	R 0290	88-108-182-080	C-RES,U 1.8K-1/16W J	a	b	c	d	e	f
MAIN		O	R 0291	88-108-562-080	C-RES,U 5.6K-1/16W J	a	b	c	d	e	f
MAIN		O	R 0292	88-108-562-080	C-RES,U 5.6K-1/16W J	a	b	c	d	e	f
MAIN		X	R 0305	88-108-181-080	C-RES,U 180-1/16W J	a	b	c	d	e	f
MAIN		X	R 0306	88-108-181-080	C-RES,U 180-1/16W J	a	b	c	d	e	f
MAIN		X	R 0307	88-108-181-080	C-RES,U 180-1/16W J	a	b	c	d	e	f
MAIN		X	R 0308	88-108-181-080	C-RES,U 180-1/16W J	a	b	c	d	e	f
						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
MAIN		X	R 0309	88-108-183-080	C-RES,U 18K-1/16W J	a	b	c	d	e	f
MAIN		X	R 0310	88-108-183-080	C-RES,U 18K-1/16W J	a	b	c	d	e	f
MAIN		X	R 0311	88-108-394-080	C-RES,U 390K-1/16W J	a	b	c	d	e	f
MAIN		X	R 0312	88-108-394-080	C-RES,U 390K-1/16W J	a	b	c	d	e	f
MAIN		X	R 0313	88-108-122-080	C-RES,U 1.2K-1/16W J	a	b	c	d	e	f
MAIN		X	R 0314	88-108-122-080	C-RES,U 1.2K-1/16W J	a	b	c	d	e	f
MAIN		X	R 0315	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
MAIN		X	R 0316	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
MAIN		X	R 0347	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
MAIN		X	R 0357	88-108-222-080	C-RES,U 2.2K-1/16W J	a	b	c	d	e	f
MAIN		X	R 0358	88-108-222-080	C-RES,U 2.2K-1/16W J	a	b	c	d	e	f
MAIN		X	R 0359	88-108-681-080	C-RES,U 680-1/16W J	a	b	c	d	e	f
MAIN		X	R 0360	88-108-681-080	C-RES,U 680-1/16W J	a	b	c	d	e	f
MAIN		X	R 0361	88-108-333-080	C-RES,U 33K-1/16W J	a	b	c	d	e	f
MAIN		X	R 0362	88-108-333-080	C-RES,U 33K-1/16W J	a	b	c	d	e	f
MAIN		O	R 0363	88-108-822-080	C-RES,U 8.2K-1/16W J	a	b	c	d	e	f
MAIN		O	R 0364	88-108-822-080	C-RES,U 8.2K-1/16W J	a	b	c	d	e	f
MAIN		X	R 0367	88-108-682-080	C-RES,U 6.8K-1/16W J	a	b	c	d	e	f
MAIN		X	R 0368	88-108-682-080	C-RES,U 6.8K-1/16W J	a	b	c	d	e	f
MAIN		X	R 0381	88-100-000-010	PLATING-JW, 0.58 SN95	a	b	c	d	e	f
						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
MAN		O	C 0301	87-012-275-080	C-CAP,U 1200P-50 K B GRM	a	b	c	d	e	f
MAN		O	C 0302	87-012-275-080	C-CAP,U 1200P-50 K B GRM	a	b	c	d	e	f
MAN		O	C 0321	87-018-205-080	CAP,TC U 0.022-25 Z F TP	a	b	c	d	e	f
MAN		O	C 0331	87-018-126-080	CAP,TC U 390P-50 K B UP050	a	b	c	d	e	f
MAN		O	C 0332	87-018-126-080	CAP,TC U 390P-50 K B UP050	a	b	c	d	e	f
MAN		O	C 0333	87-012-275-080	C-CAP,U 1200P-50 K B GRM	a	b	c	d	e	f
MAN		O	C 0334	87-012-278-080	C-CAP,U 2200P-50 K B GRM	a	b	c	d	e	f
MAN		X	C 0335	88-700-730-810	CAP,M 5600P-50 J AMZV	a	b	c	d	e	f
MAN		O	C 0336	87-018-134-080	CAP,TC U 0.01-16 N Y UP050	a	b	c	d	e	f
MAN		O	C 0337	87-012-279-080	C-CAP,U 2700P-50 K B GRM	a	b	c	d	e	f
MAN		O	C 0338	87-012-279-080	C-CAP,U 2700P-50 K B GRM	a	b	c	d	e	f
MAN		O	C 0339	87-012-279-080	C-CAP,U 2700P-50 K B GRM	a	b	c	d	e	f
MAN		O	C 0340	87-A12-691-040	CAP,E 22-16 M 5L R85S5	a	b	c	d	e	f
MAN		O	C 0345	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a	b	c	d	e	f
MAN		O	C 0346	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a	b	c	d	e	f
MAN		O	C 0347	87-010-374-080	CAP,E 47-10 M 11L SME	a	b	c	d	e	f
MAN		O	C 0348	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a	b	c	d	e	f
MAN		O	C 0350	87-012-275-080	C-CAP,U 1200P-50 K B GRM	a	b	c	d	e	f
MAN		O	C 0351	87-012-278-080	C-CAP,U 2200P-50 K B GRM	a	b	c	d	e	f
MAN		O	C 0355	87-012-279-080	C-CAP,U 2700P-50 K B GRM	a	b	c	d	e	f
						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
MAN		O	C 0356	87-012-279-080	C-CAP,U 2700P-50 K B GRM	a	b	c	d	e	f
MAN		O	CN 0302	87-099-832-010	CONN,8P V S2M-8W	a	b	c	d	e	f
MAN		O	L 0331	87-007-342-010	COIL,OSC 85KHZ BIAS	a	b	c	d	e	f
MAN		S	Q 0311	89-110-155-080	TR,2SA1015GR	a	b	c	d	e	f
MAN		S	Q 0312	89-110-155-080	TR,2SA1015GR	a	b	c	d	e	f
MAN		S	Q 0320	87-026-610-080	TR,KTC3198GR	a	b	c	d	e	f
MAN		S	Q 0331	87-026-610-080	TR,KTC3198GR	a	b	c	d	e	f
MAN		S	Q 0332	87-026-610-080	TR,KTC3198GR	a	b	c	d	e	f
MAN		S	Q 0333	87-026-610-080	TR,KTC3198GR	a	b	c	d	e	f
MAN		S	Q 0335	86-NFZ-664-040	C-TR,DTC143TKA	a	b	c	d	e	f
MAN		S	Q 0336	87-A30-435-040	C-TR,DTC144EKA	a	b	c	d	e	f
MAN		S	Q 0341	89-110-155-080	TR,2SA1015GR	a	b	c	d	e	f
MAN		S	Q 0342	89-110-155-080	TR,2SA1015GR	a	b	c	d	e	f
MAN		S	Q 0343	89-110-155-080	TR,2SA1015GR	a	b	c	d	e	f
MAN		S	Q 0344	87-A30-435-040	C-TR,DTC144EKA	a	b	c	d	e	f
MAN		X	R 0109	88-121-102-080	RES,1K-1/8W J	a	b	c	d	e	f
MAN		X	R 0301	88-108-334-080	C-RES,U 330K-1/16W J	a	b	c	d	e	f
MAN		X	R 0302	88-108-334-080	C-RES,U 330K-1/16W J	a	b	c	d	e	f
MAN		X	R 0321	88-108-471-080	C-RES,U 470-1/16W J	a	b	c	d	e	f
MAN		X	R 0322	88-108-471-080	C-RES,U 470-1/16W J	a	b	c	d	e	f

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ELECTRICAL PARTS LIST -8/12 (CSD-TD49) -8/10

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All components used on this model at the production line are shown in this service manual.
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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL					
						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
MAN		O	R	0331	88-108-103-080 C-RES,U 10K-1/16W J	a	b	c	d	e	f
MAN		O	R	0332	88-108-103-080 C-RES,U 10K-1/16W J	a	b	c	d	e	f
MAN		X	R	0333	88-121-829-080 RES,8.2-1/8W J	a	b	c	d	e	f
MAN		X	R	0334	88-108-183-080 C-RES,U 18K-1/16W J	a	b	c	d	e	f
MAN		X	R	0335	88-108-183-080 C-RES,U 18K-1/16W J	a	b	c	d	e	f
MAN		X	R	0336	88-108-472-080 C-RES,U 4.7K-1/16W J	a	b	c	d	e	f
MAN		X	R	0337	88-121-479-080 RES,4.7-1/8W J	a	b	c	d	e	f
MAN		O	R	0338	88-108-473-080 C-RES,U 47K-1/16W J	a	b	c	d	e	f
MAN		X	R	0339	88-121-150-080 RES,15-1/8W J	a	b	c	d	e	f
MAN		X	R	0340	88-121-150-080 RES,15-1/8W J	a	b	c	d	e	f
MAN		X	R	0341	88-108-471-080 C-RES,U 470-1/16W J	a	b	c	d	e	f
MAN		X	R	0342	88-108-471-080 C-RES,U 470-1/16W J	a	b	c	d	e	f
MAN		X	R	0343	88-121-103-080 RES,10K-1/8W J	a	b	c	d	e	f
MAN		O	R	0345	88-108-103-080 C-RES,U 10K-1/16W J	a	b	c	d	e	f
MAN		O	R	0348	88-108-102-080 C-RES,U 1K-1/16W J	a	b	c	d	e	f
MAN		X	R	0349	88-108-222-080 C-RES,U 2.2K-1/16W J	a	b	c	d	e	f
MAN		X	R	0350	88-108-222-080 C-RES,U 2.2K-1/16W J	a	b	c	d	e	f
MAN		O	R	0351	88-108-123-080 C-RES,U 12K-1/16W J	a	b	c	d	e	f
MAN		O	R	0352	88-108-123-080 C-RES,U 12K-1/16W J	a	b	c	d	e	f
MAN		O	R	0353	88-108-223-080 C-RES,U 22K-1/16W J	a	b	c	d	e	f

						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
MAN		O	R	0354	88-108-223-080 C-RES,U 22K-1/16W J	a	b	c	d	e	f
POWER		O	C	0101	87-018-205-080 CAP,TC U 0.022-25 Z F TP	a	b	c	d	e	f
POWER		O	C	0102	87-018-205-080 CAP,TC U 0.022-25 Z F TP	a	b	c	d	e	f
POWER		O	C	0103	87-018-205-080 CAP,TC U 0.022-25 Z F TP	a	b	c	d	e	f
POWER		O	C	0104	87-018-205-080 CAP,TC U 0.022-25 Z F TP	a	b	c	d	e	f
POWER		O	CNA	0101	8C-CHB-651-010 CONN ASSY,3P POWER-MAIN	a	b	c	d	e	f
POWER		S	D	0101	87-A40-465-090 DIODE,FR202	a	b	c	d	e	f
POWER		S	D	0102	87-A40-465-090 DIODE,FR202	a	b	c	d	e	f
POWER		S	D	0103	87-A40-465-090 DIODE,FR202	a	b	c	d	e	f
POWER		S	D	0104	87-A40-465-090 DIODE,FR202	a	b	c	d	e	f
POWER	!	S	F	0101	87-035-347-010 FUSE,2.5A 250V T	a	b	c	d	e	f
POWER	!	O	FC	0101	87-033-213-080 FUSE CLAMP,PFC5000	.	.	c	d	e	.
POWER	!	O	FC	0102	87-033-213-080 FUSE CLAMP,PFC5000	.	.	c	d	e	.
POWER	!	O	J	0101	87-A61-453-010 JACK,AC U PSU27-N	a	b	.	.	.	f
POWER	!	O	J	0101	87-A61-455-010 JACK,AC E PSE27	.	.	c	d	e	.
POWER	!	O	PT	0701	8C-CHB-622-010 PT,U CCHB	a	b	.	.	.	f
POWER	!	O	PT	0701	8C-CHB-624-010 PT,H CCHB	.	.	c	d	e	.
POWER	!	O	S	0101	87-A91-370-010 SW,AC SL2 2 2 SWS2202	.	.	c	d	e	.
POWER		X	W	0001	8C-CHB-652-010 WIRE,RED POWER-AC	a	b	c	d	e	f
POWER		X	W	0002	8C-CHB-653-010 WIRE,ORANGE POWER-AC	a	b	c	d	e	f

						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
POWER		X	W	0003	8C-CHB-654-010 WIRE,YELLOW POWER-AC	a	b	c	d	e	f
REMOCON		O	CN	0603	87-009-346-010 CONN,3P H WHT PH	a	b	c	d	e	f
REMOCON		S	IC	0601	87-A20-911-010 IC,RPM6938	a	b	c	d	e	f
TUNER		O	C	0002	87-A10-260-080 C-CAP,U 0.1-16 K B	a	b	c	d	e	f
TUNER		O	C	0003	87-012-286-080 C-CAP,U 0.01-25 K B GRM	a	b	c	d	e	f
TUNER		O	C	0004	87-012-178-080 C-CAP,U 18P-50 J CH GRM	a	b	c	d	e	f
TUNER		O	C	0005	87-A10-039-080 C-CAP,U 470P-50 J CH	a	b	c	d	e	f
TUNER		O	C	0006	87-012-172-080 C-CAP,U 10P-50 D CH GRM	a	b	c	d	e	f
TUNER		O	C	0007	87-012-286-080 C-CAP,U 0.01-25 K B GRM	a	b	c	d	e	f
TUNER		O	C	0008	87-012-286-080 C-CAP,U 0.01-25 K B GRM	a	b	c	d	e	f
TUNER		O	C	0009	87-A10-915-080 C-CAP,U 1000P-25 J CH	a	b	c	d	e	f
TUNER		O	C	0010	87-012-286-080 C-CAP,U 0.01-25 K B GRM	a	b	c	d	e	f
TUNER		O	C	0011	87-012-170-080 C-CAP,U 8P-50 D CH GRM	a	b	c	d	e	f
TUNER		O	C	0012	87-012-286-080 C-CAP,U 0.01-25 K B GRM	a	b	c	d	e	f
TUNER		O	C	0013	87-A10-039-080 C-CAP,U 470P-50 J CH	a	b	c	d	e	f
TUNER		O	C	0014	87-012-286-080 C-CAP,U 0.01-25 K B GRM	a	b	c	d	e	f
TUNER		O	C	0015	87-012-286-080 C-CAP,U 0.01-25 K B GRM	a	b	c	d	e	f
TUNER		O	C	0016	87-012-286-080 C-CAP,U 0.01-25 K B GRM	a	b	c	d	e	f
TUNER		O	C	0017	87-012-174-080 C-CAP,U 12P-50 J CH GRM	a	b	c	d	e	f
TUNER		O	C	0018	87-012-162-080 C-CAP,U 1P-50 C CH GRM	a	b	c	d	e	f

						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
TUNER		O	C	0019	87-A12-173-080 C-CAP,U 330P-50 CH	a	b	c	d	e	f
TUNER		O	C	0020	87-A10-260-080 C-CAP,U 0.1-16 K B	a	b	c	d	e	f
TUNER		O	C	0021	87-A10-260-080 C-CAP,U 0.1-16 K B	a	b	c	d	e	f
TUNER		O	C	0022	87-A11-049-080 C-CAP,U 1-6.3 K B	a	b	c	d	e	f
TUNER		O	C	0023	87-A10-260-080 C-CAP,U 0.1-16 K B	a	b	c	d	e	f
TUNER		O	C	0024	87-012-286-080 C-CAP,U 0.01-25 K B GRM	a	b	c	d	e	f
TUNER		O	C	0025	87-010-787-080 C-CAP,U 0.022-25 K B GRM	a	b	c	d	e	f
TUNER		O	C	0026	87-010-787-080 C-CAP,U 0.022-25 K B GRM	a	b	c	d	e	f
TUNER		O	C	0027	87-A10-025-080 C-CAP,U 0.22-16 Z F	a	b	c	d	e	f
TUNER		O	C	0028	87-A10-025-080 C-CAP,U 0.22-16 Z F	a	b	c	d	e	f
TUNER		O	C	0029	87-012-176-080 C-CAP,U 15P-50 J CH GRM	a	b	c	d	e	f
TUNER		O	C	0030	87-012-184-080 C-CAP,U 33P-50 J CH GRM	a	b	c	d	e	f
TUNER		O	C	0031	87-012-176-080 C-CAP,U 15P-50 J CH GRM	a	b	c	d	e	f
TUNER		O	C	0032	87-012-274-080 C-CAP,U 1000P-50 K B GRM	a	b	c	d	e	f
TUNER		O	C	0033	87-012-286-080 C-CAP,U 0.01-25 K B GRM	a	b	c	d	e	f
TUNER		O	C	0034	87-012-274-080 C-CAP,U 1000P-50 K B GRM	a	b	c	d	e	f
TUNER		X	C	0035	88-108-000-080 C-JUMPER,U	a	b	c	d	e	f
TUNER		O	C	0036	87-012-286-080 C-CAP,U 0.01-25 K B GRM	a	b	c	d	e	f
TUNER		O	C	0037	87-A10-260-080 C-CAP,U 0.1-16 K B	a	b	c	d	e	f
TUNER		O	C	0038	87-012-195-080 C-CAP,U 100P-50 J CH GRM	a	b	c	d	e	f

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ELECTRICAL PARTS LIST -9/12 (CSD-TD49) -9/10

! = ⚠SAFTY PARTS
C = Components marked
All components used on this model at the production line are shown in this service manual.
However, please note that not all components will be available as spare parts for after-sales service.
Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.
Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL					
						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
TUNER		O	C 0039	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c	d	e	f
TUNER		O	C 0040	87-012-166-080	C-CAP,U 4P-50 C CH GRM	a	b	c	d	e	f
TUNER		O	C 0041	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c	d	e	f
TUNER		O	C 0042	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c	d	e	f
TUNER		O	C 0043	87-018-117-080	CAP,TC U 68P-50 J SL UP050	a	b	c	d	e	f
TUNER		O	C 0045	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c	d	e	f
TUNER		O	C 0046	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c	d	e	f
TUNER		O	C 0047	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c	d	e	f
TUNER		O	C 0049	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c	d	e	f
TUNER		O	C 0050	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c	d	e	f
TUNER		O	C 0051	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b	c	d	e	f
TUNER		O	C 0052	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b	c	d	e	f
TUNER		O	C 0055	87-012-174-080	C-CAP,U 12P-50 J CH GRM	a	b	c	d	e	f
TUNER		O	C 0056	87-012-176-080	C-CAP,U 15P-50 J CH GRM	a	b	c	d	e	f
TUNER		O	C 0057	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c	d	e	f
TUNER		O	C 0058	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c	d	e	f
TUNER		O	C 0059	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c	d	e	f
TUNER		O	C 0060	87-010-404-080	CAP,E 4.7-50 M 11L SME	a	b	c	d	e	f
TUNER		O	C 0061	87-010-263-080	CAP,E 100-10 M 11L SME	a	b	c	d	e	f
TUNER		O	C 0062	87-010-404-080	CAP,E 4.7-50 M 11L SME	a	b	c	d	e	f
						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
TUNER		O	C 0063	87-010-263-080	CAP,E 100-10 M 11L SME	a	b	c	d	e	f
TUNER		O	C 0064	87-010-263-080	CAP,E 100-10 M 11L SME	a	b	c	d	e	f
TUNER		O	C 0065	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b	c	d	e	f
TUNER		O	C 0066	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b	c	d	e	f
TUNER		O	C 0067	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b	c	d	e	f
TUNER		O	C 0068	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b	c	d	e	f
TUNER		O	C 0069	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b	c	d	e	f
TUNER		O	C 0080	87-018-205-080	CAP,TC U 0.022-25 Z F TP	a	b	c	d	e	f
TUNER		O	C 0081	87-018-205-080	CAP,TC U 0.022-25 Z F TP	a	b	c	d	e	f
TUNER		O	C 0082	87-018-209-080	CAP,TC U 0.1-50 Z F UP050	a	b	c	d	e	f
TUNER		O	C 0083	87-018-209-080	CAP,TC U 0.1-50 Z F UP050	a	b	c	d	e	f
TUNER		O	CF 0002	87-A91-729-110	FLTR,SFE10.7 MS2C20-A	a	b	c	d	e	f
TUNER		O	CF 0003	87-A91-730-110	FLTR,CDA10.7 MG77A-A	a	b	c	d	e	f
TUNER		O	CF 0010	87-A91-728-110	FLTR,KIT KMFC5184-A	a	b	c	d	e	f
TUNER		O	CN 0001	87-A60-621-010	CONN,4P V 2MM JMT	a	b	c	d	e	f
TUNER		O	CN 0002	87-A60-624-010	CONN,7P V 2MM JMT	a	b	c	d	e	f
TUNER		X	CN 0004	8Z-CT4-623-010	PIN,TESTDIA0.9-10	a	b	c	d	e	f
TUNER		X	CN 0005	8Z-CT4-623-010	PIN,TESTDIA0.9-10	a	b	c	d	e	f
TUNER		X	CN 0006	8Z-CT4-623-010	PIN,TESTDIA0.9-10	a	b	c	d	e	f
						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
TUNER		X	CN 0007	8Z-CT4-623-010	PIN,TESTDIA0.9-10	a	b	c	d	e	f
TUNER		O	D 0001	87-A41-143-040	C-VARI-CAP,SVC383	a	b	c	d	e	f
TUNER		O	D 0002	87-A40-916-040	C-VARI-CAP,HVC202A	a	b	c	d	e	f
TUNER		O	D 0003	87-A40-916-040	C-VARI-CAP,HVC202A	a	b	c	d	e	f
TUNER		S	D 0004	87-070-345-080	DIODE,1N4148	a	b	c	d	e	f
TUNER		S	D 0005	87-070-345-080	DIODE,1N4148	a	b	c	d	e	f
TUNER		S	IC 0001	87-A20-851-040	C-IC,TA2111F	a	b	c	d	e	f
TUNER		S	IC 0002	87-A21-928-010	IC,LC72131D-N	a	b	c	d	e	f
TUNER		X	JR 0001	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
TUNER		X	JR 0002	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
TUNER		X	JR 0003	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
TUNER		X	JR 0004	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
TUNER		X	JR 0005	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
TUNER		X	JR 0006	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
TUNER		X	JR 0007	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
TUNER		X	JR 0008	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
TUNER		X	JR 0009	88-108-000-080	C-JUMPER,U	.	.	c	d	e	.
TUNER		X	JR 0010	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
TUNER		X	JR 0011	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
TUNER		X	JR 0012	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
TUNER		X	JR 0013	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
TUNER		X	JR 0014	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
TUNER		X	JR 0015	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
TUNER		X	JR 0016	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
TUNER		X	JR 0017	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
TUNER		X	JR 0018	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
TUNER		X	JR 0019	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
TUNER		X	JR 0020	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
TUNER		X	JR 0021	88-108-000-080	C-JUMPER,U	.	.	c	d	e	.
TUNER		O	L 0001	87-A50-420-010	COIL,MW OSC(SYN)	a	b	c	d	e	f
TUNER		O	L 0002	87-A50-772-010	COIL,FM RF EX(CCH)	a	b	c	d	e	f
TUNER		X	L 0004	88-100-000-010	PLATING-JW, 0.58 SN95	a	b	c	d	e	f
TUNER		O	L 0005	87-A50-560-010	COIL,FM BPF(ACD)	a	b	c	d	e	f
TUNER		O	L 0006	87-A91-308-010	FLTR,PCFAZH- 450T (TOK)	a	b	c	d	e	f
TUNER		O	L 0007	87-005-849-080	COIL,10UH K CECS	a	b	c	d	e	f
TUNER		O	L 0008	87-A50-770-010	COIL,FM OSC(CCH)	a	b	c	d	e	f
TUNER		S	Q 0001	87-A30-288-040	C-TR,DTC114YKA	a	b	c	d	e	f
TUNER		S	Q 0002	87-026-447-080	TR,2SC1740SR	a	b	c	d	e	f
TUNER		S	Q 0003	89-111-624-080	C-TR,2SA1162Y	a	b	c	d	e	f
TUNER		S	Q 0004	87-A30-283-040	C-TR,DTA114YKA	a	b	c	d	e	f

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ELECTRICAL PARTS LIST -10/12 (CSD-TD39) -10/10

! = ⚠SAFTY PARTS
C = Components marked
All components used on this model at the production line are shown in this service manual.
However, please note that not all components will be available as spare parts for after-sales service.
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Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL					
						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
TUNER		S	Q 0005	87-A30-076-080	C-TR,2SC3052F	a	b	c	d	e	f
TUNER		S	Q 0006	87-A30-076-080	C-TR,2SC3052F	a	b	c	d	e	f
TUNER		S	Q 0007	89-327-143-080	C-TR,2SC2714O	a	b	c	d	e	f
TUNER		S	Q 0008	89-327-143-080	C-TR,2SC2714O	a	b	c	d	e	f
TUNER		S	Q 0009	87-A30-283-040	C-TR,DTA114YKA	a	b	c	d	e	f
TUNER		S	Q 0010	87-A30-283-040	C-TR,DTA114YKA	a	b	c	d	e	f
TUNER		S	Q 0011	87-A30-282-040	C-TR,DTA114TKA	a	b	c	d	e	f
TUNER		O	R 0001	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c	d	e	f
TUNER		X	R 0002	88-108-104-080	C-RES,U 100K-1/16W J	a	b	c	d	e	f
TUNER		X	R 0003	88-108-330-080	C-RES,U 33-1/16W J	a	b	c	d	e	f
TUNER		O	R 0004	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c	d	e	f
TUNER		O	R 0005	88-108-473-080	C-RES,U 47K-1/16W J	a	b	c	d	e	f
TUNER		X	R 0006	88-108-100-080	C-RES,U 10-1/16W J	a	b	c	d	e	f
TUNER		X	R 0007	88-108-472-080	C-RES,U 4.7K-1/16W J	a	b	c	d	e	f
TUNER		X	R 0008	88-108-100-080	C-RES,U 10-1/16W J	a	b	c	d	e	f
TUNER		X	R 0009	88-108-221-080	C-RES,U 220-1/16W J	a	b	c	d	e	f
TUNER		X	R 0010	88-108-221-080	C-RES,U 220-1/16W J	a	b	c	d	e	f
TUNER		O	R 0011	88-108-223-080	C-RES,U 22K-1/16W J	a	b	c	d	e	f
TUNER		O	R 0012	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c	d	e	f
TUNER		X	R 0013	88-108-472-080	C-RES,U 4.7K-1/16W J	a	b	c	d	e	f
						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
TUNER		X	R 0014	88-108-104-080	C-RES,U 100K-1/16W J	a	b	c	d	e	f
TUNER		X	R 0015	88-108-221-080	C-RES,U 220-1/16W J	a	b	c	d	e	f
TUNER		O	R 0016	88-108-473-080	C-RES,U 47K-1/16W J	a	b	c	d	e	f
TUNER		X	R 0017	88-108-222-080	C-RES,U 2.2K-1/16W J	a	b	c	d	e	f
TUNER		X	R 0018	88-108-222-080	C-RES,U 2.2K-1/16W J	a	b	c	d	e	f
TUNER		X	R 0019	88-108-472-080	C-RES,U 4.7K-1/16W J	a	b	c	d	e	f
TUNER		X	R 0020	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
TUNER		X	R 0021	88-108-331-080	C-RES,U 330-1/16W J	a	b	c	d	e	f
TUNER		X	R 0022	88-108-104-080	C-RES,U 100K-1/16W J	a	b	c	d	e	f
TUNER		X	R 0023	88-108-104-080	C-RES,U 100K-1/16W J	a	b	c	d	e	f
TUNER		O	R 0024	88-108-473-080	C-RES,U 47K-1/16W J	a	b	c	d	e	f
TUNER		X	R 0025	88-108-472-080	C-RES,U 4.7K-1/16W J	a	b	c	d	e	f
TUNER		X	R 0026	88-121-472-080	RES,4.7K-1/8W J	a	b	c	d	e	f
TUNER		X	R 0028	88-108-472-080	C-RES,U 4.7K-1/16W J	a	b	c	d	e	f
TUNER		X	R 0029	88-108-472-080	C-RES,U 4.7K-1/16W J	a	b	c	d	e	f
TUNER		X	R 0030	88-108-271-080	C-RES,U 270-1/16W J	a	b	c	d	e	f
TUNER		O	R 0032	88-108-562-080	C-RES,U 5.6K-1/16W J	a	b	c	d	e	f
TUNER		O	R 0033	88-108-102-080	C-RES,U 1K-1/16W J	a	b	c	d	e	f
TUNER		X	R 0034	88-108-681-080	C-RES,U 680-1/16W J	a	b	c	d	e	f
						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
TUNER		X	R 0036	88-121-104-080	RES,100K-1/8W J	a	b	c	d	e	f
TUNER		X	R 0037	88-108-104-080	C-RES,U 100K-1/16W J	a	b	c	d	e	f
TUNER		X	R 0041	88-108-472-080	C-RES,U 4.7K-1/16W J	a	b	c	d	e	f
TUNER		O	R 0042	88-108-103-080	C-RES,U 10K-1/16W J	a	b	c	d	e	f
TUNER		O	R 0043	88-108-103-080	C-RES,U 10K-1/16W J	a	b	c	d	e	f
TUNER		O	R 0044	88-108-103-080	C-RES,U 10K-1/16W J	a	b	c	d	e	f
TUNER		O	R 0045	88-108-103-080	C-RES,U 10K-1/16W J	a	b	c	d	e	f
TUNER		X	R 0046	88-108-472-080	C-RES,U 4.7K-1/16W J	a	b	c	d	e	f
TUNER		X	R 0047	88-108-222-080	C-RES,U 2.2K-1/16W J	a	b	c	d	e	f
TUNER		X	R 0049	88-108-000-080	C-JUMPER,U	a	b	c	d	e	f
TUNER		O	R 0050	88-108-332-080	C-RES,U 3.3K-1/16W J	a	b	c	d	e	f
TUNER		X	SH 0001	88-ZA1-605-010	SHLD-CASE,IFT CAP-CASE	a	b	.	.	.	f
TUNER		O	TC 0001	87-011-254-080	TRIMMER,CER 20P 4.0X4.5 ECR	a	b	c	d	e	f
TUNER		O	X 0001	87-A70-306-010	VIB,XTAL 4.500MHZ CSA-309ST	a	b	c	d	e	f

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ELECTRICAL PARTS LIST -11/12 (AZM-6) -1/1

! = ⚠SAFTY PARTS
C = Components marked
All components used on this model at the production line are shown in this service manual.
However, please note that not all components will be available as spare parts for after-sales service.
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Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						AZM-6 YR3NC
DECK		O	CN 1	87-A61-731-010	CONN,07P H 621600711	a
DECK		O	CRD1	8A-ZM6-603-010	RBN,CORD,2P-75	a
DECK		S	IC 1	87-020-454-010	IC,DN6851	a
DECK		O	SW 1	87-036-109-010	SW,MICRO SPPB61	a
DECK		O	SW 2	87-036-109-010	SW,MICRO SPPB61	a
DECK		O	SW 3	87-036-109-010	SW,MICRO SPPB61	a

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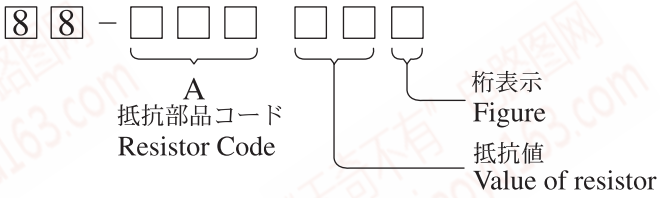
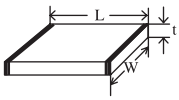
- Regarding connectors, they are not stocked as they are not the initial order items.
  The connectors are available after they are supplied from connector manufacturers upon the order is received.

○チップ抵抗部品コード／CHIP RESISTOR PART CODE

チップ抵抗部品コードの成り立ち
Chip Resistor Part Coding



チップ抵抗
Chip resistor

容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法／Dimensions (mm) 外形／Form	L	W	t	抵抗コード Resistor Code ：A
1/16W	1005	±5%	CJ		1.0	0.5	0.35	104
1/16W	1608	±5%	CJ		1.6	0.8	0.45	108
1/10W	2125	±5%	CJ		2	1.25	0.45	118
1/8W	3216	±5%	CJ		3.2	1.6	0.55	128

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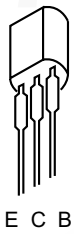
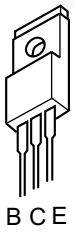
TRANSISTOR ILLUSTRATION -1/1

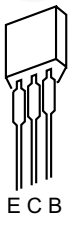


2SA1015GR
KTA1266GR
KTC3198GR

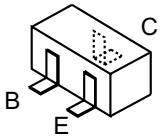
2SA952K
2SA1296GR
2SC5343GL



2SB1370E



2SA933AS
2SC1740S
DTC114YS
DTC124XSA



2SA1162Y
2SC27140
2SC3052F
DTA114TKA
DTA114YKA
DTC114EKA
DTC114YKA
DTC124EKA
DTC124XKA
DTC143TKA
DTC144EKA

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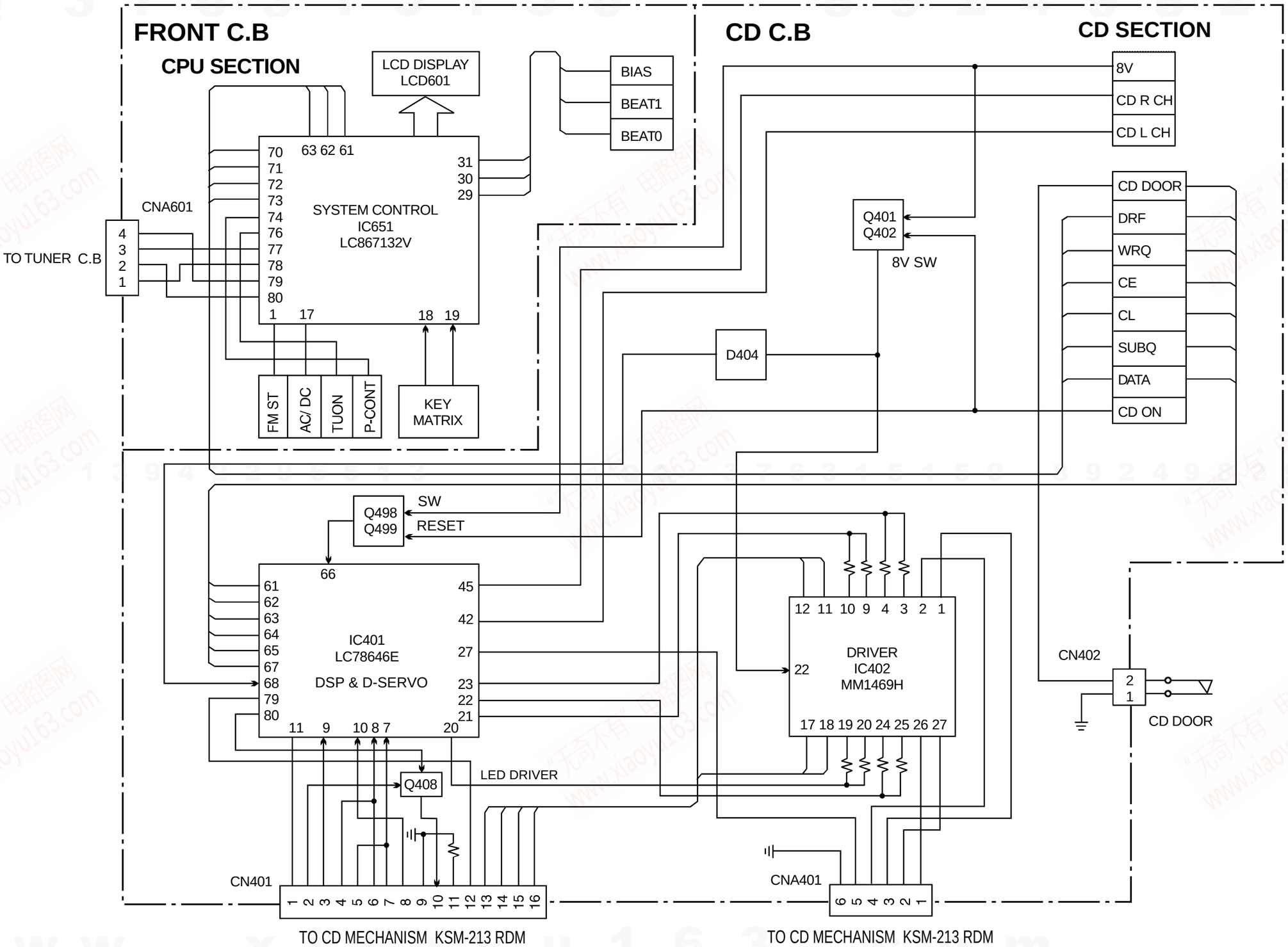
BLOCK DIAGRAM -1/2



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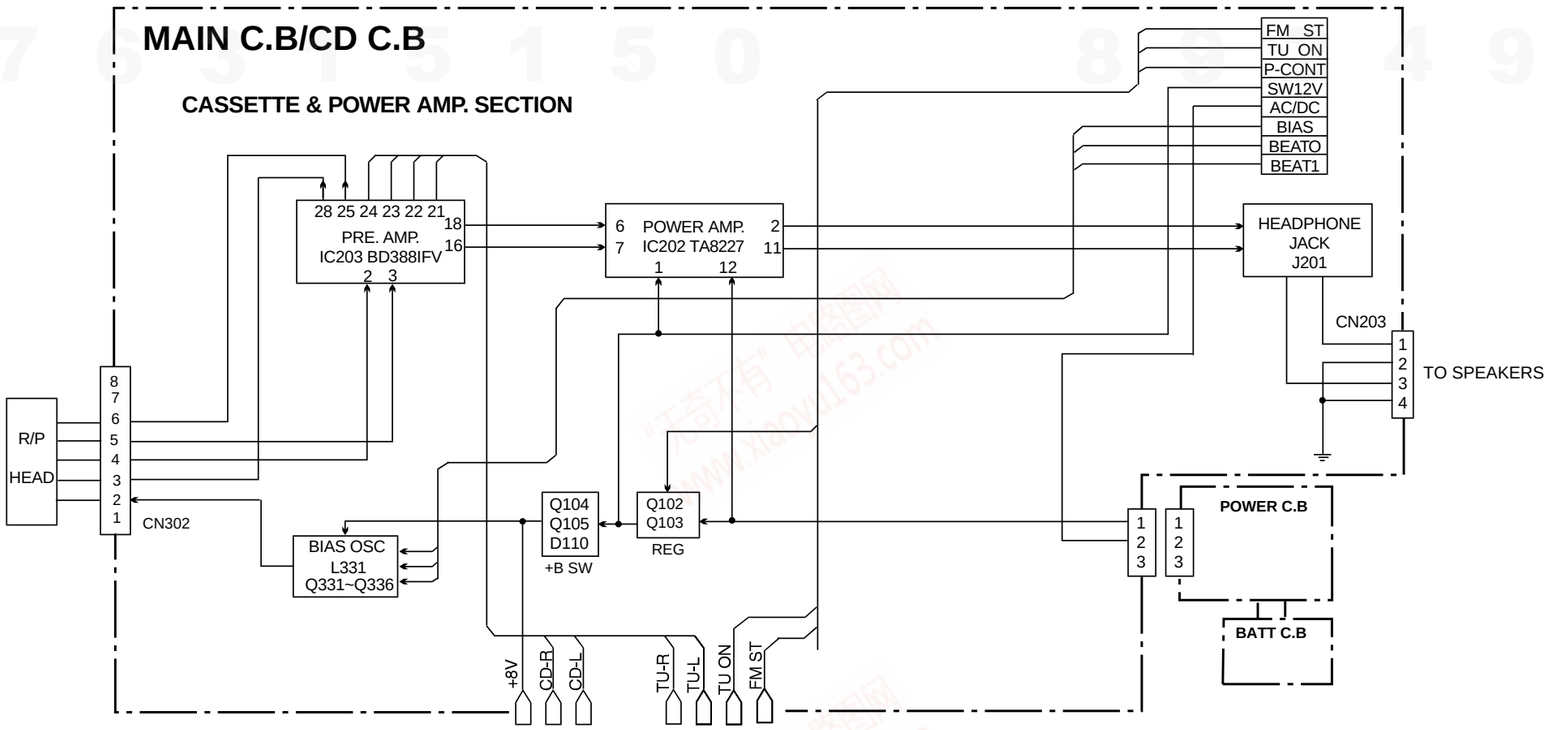
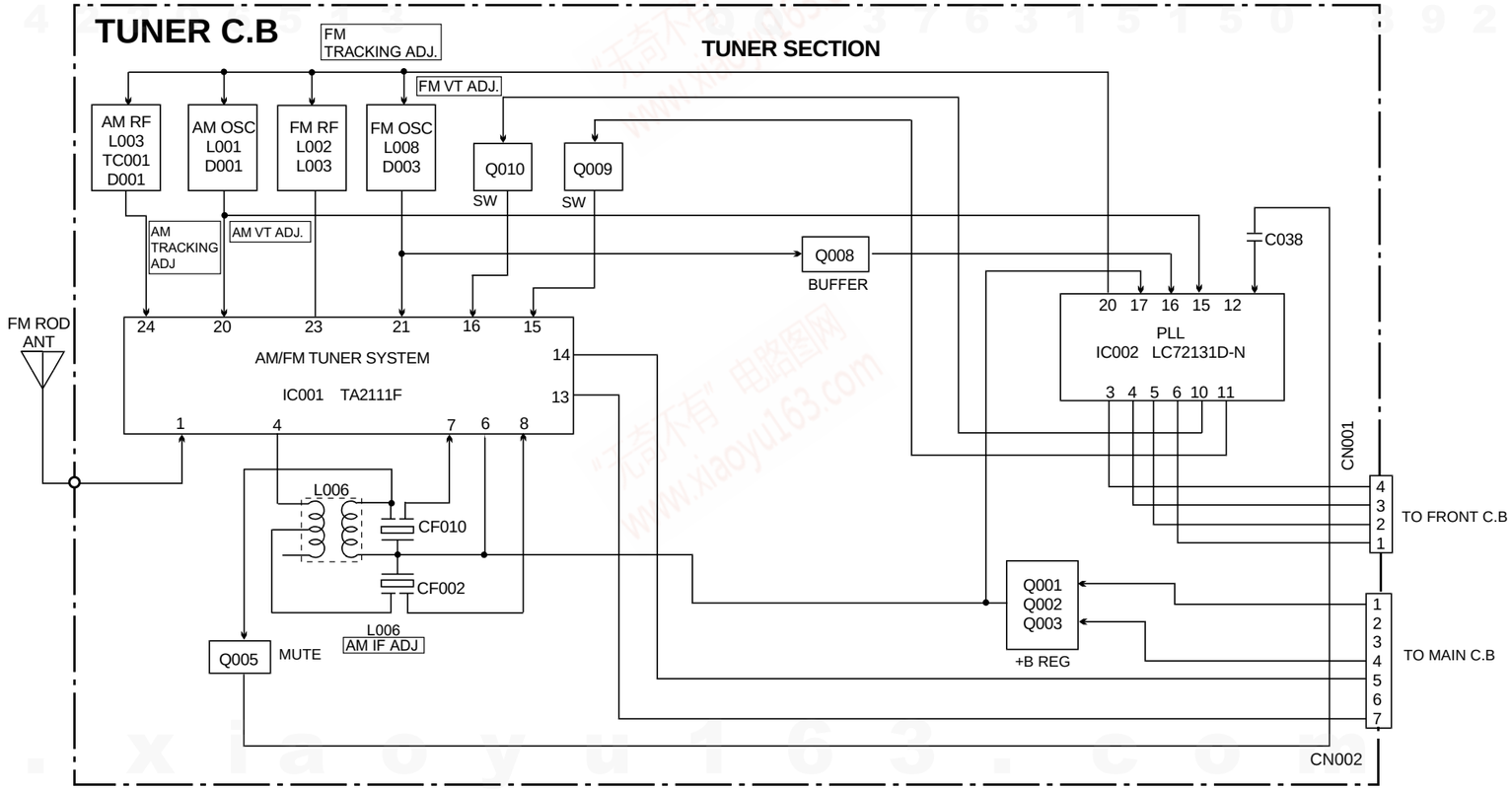
BLOCK DIAGRAM -2/2





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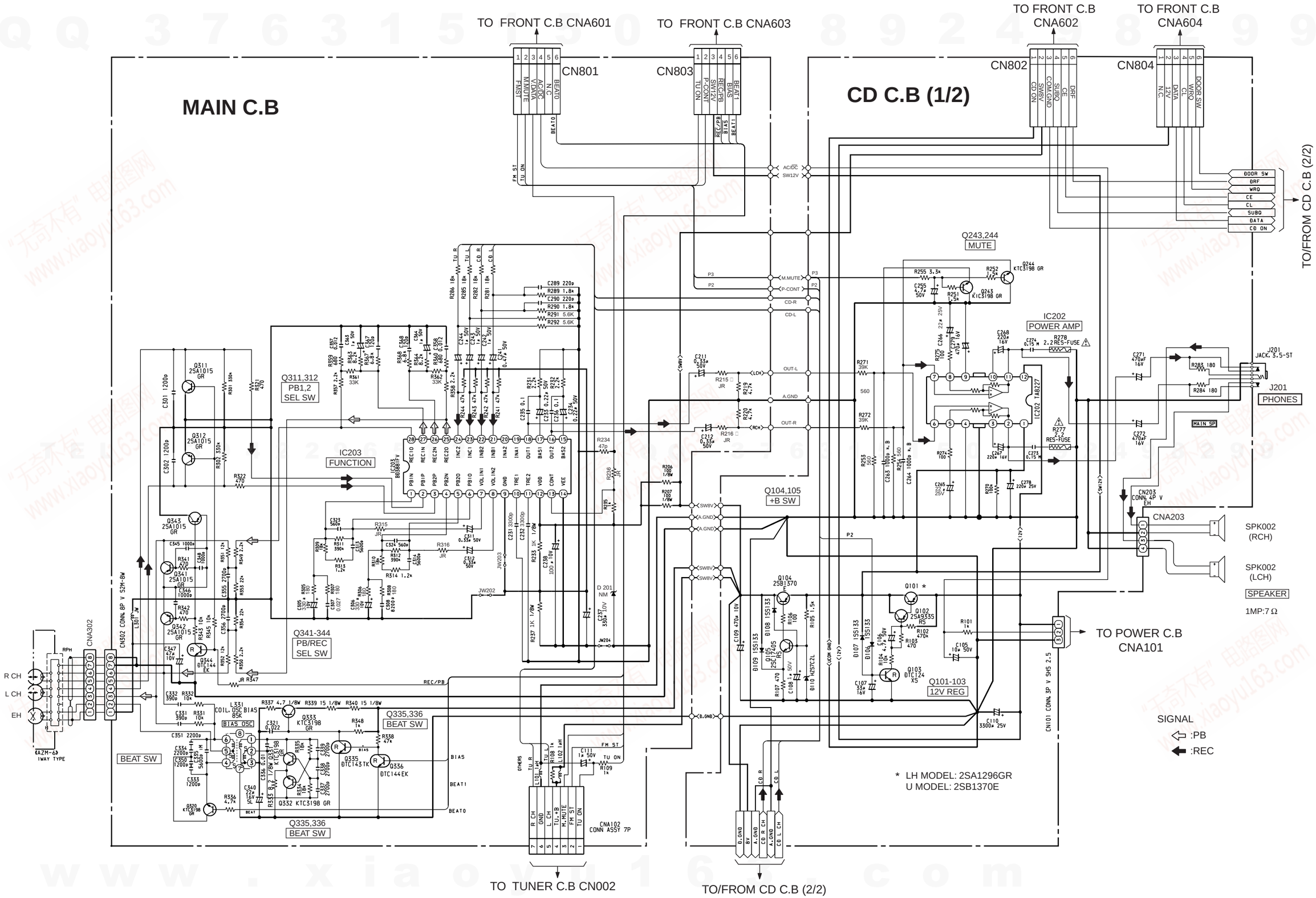
SCHEMATIC DIAGRAM -1/5 (MAIN/CD-1/2)



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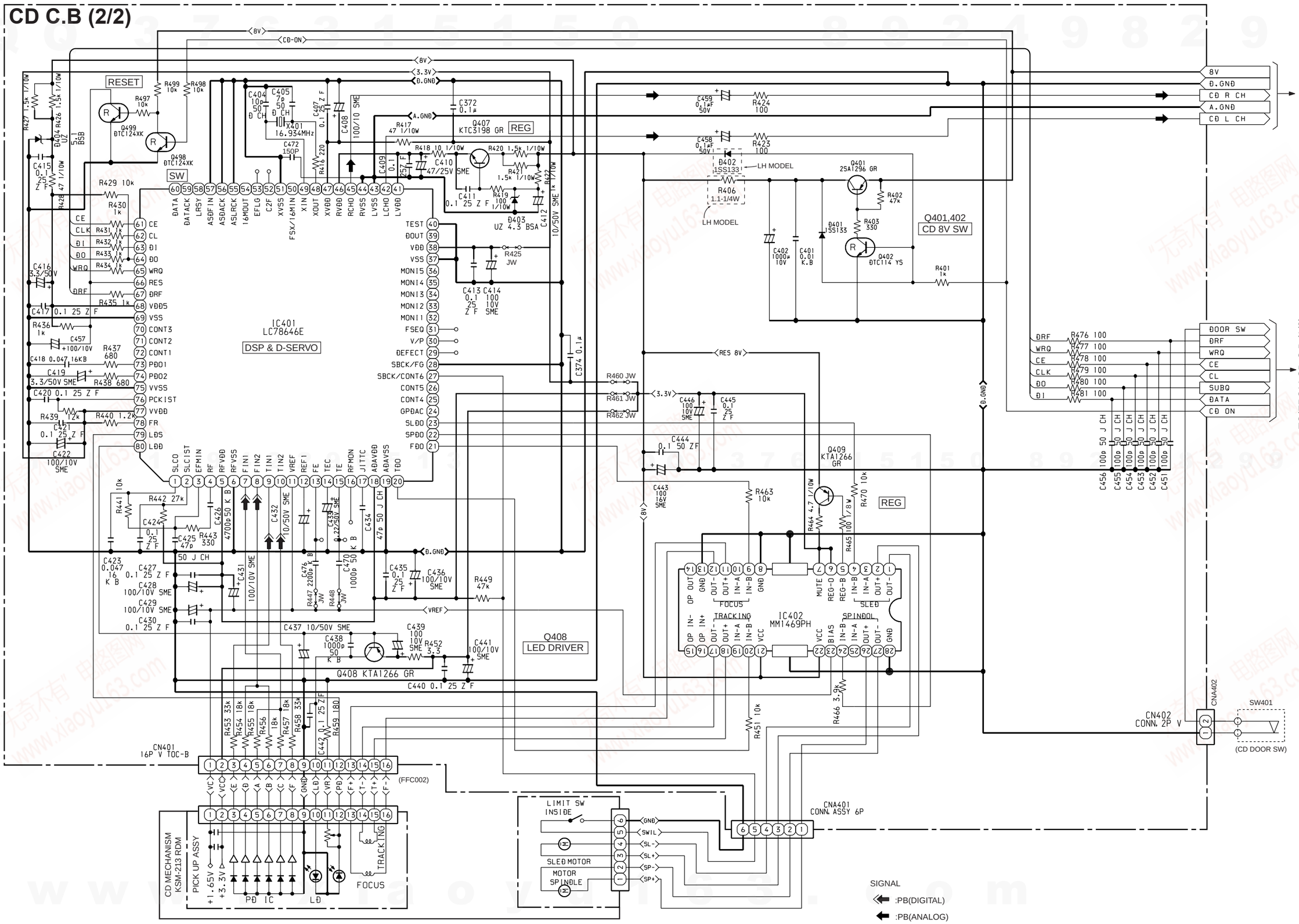
SCHEMATIC DIAGRAM -2/5 (CD -2/2)



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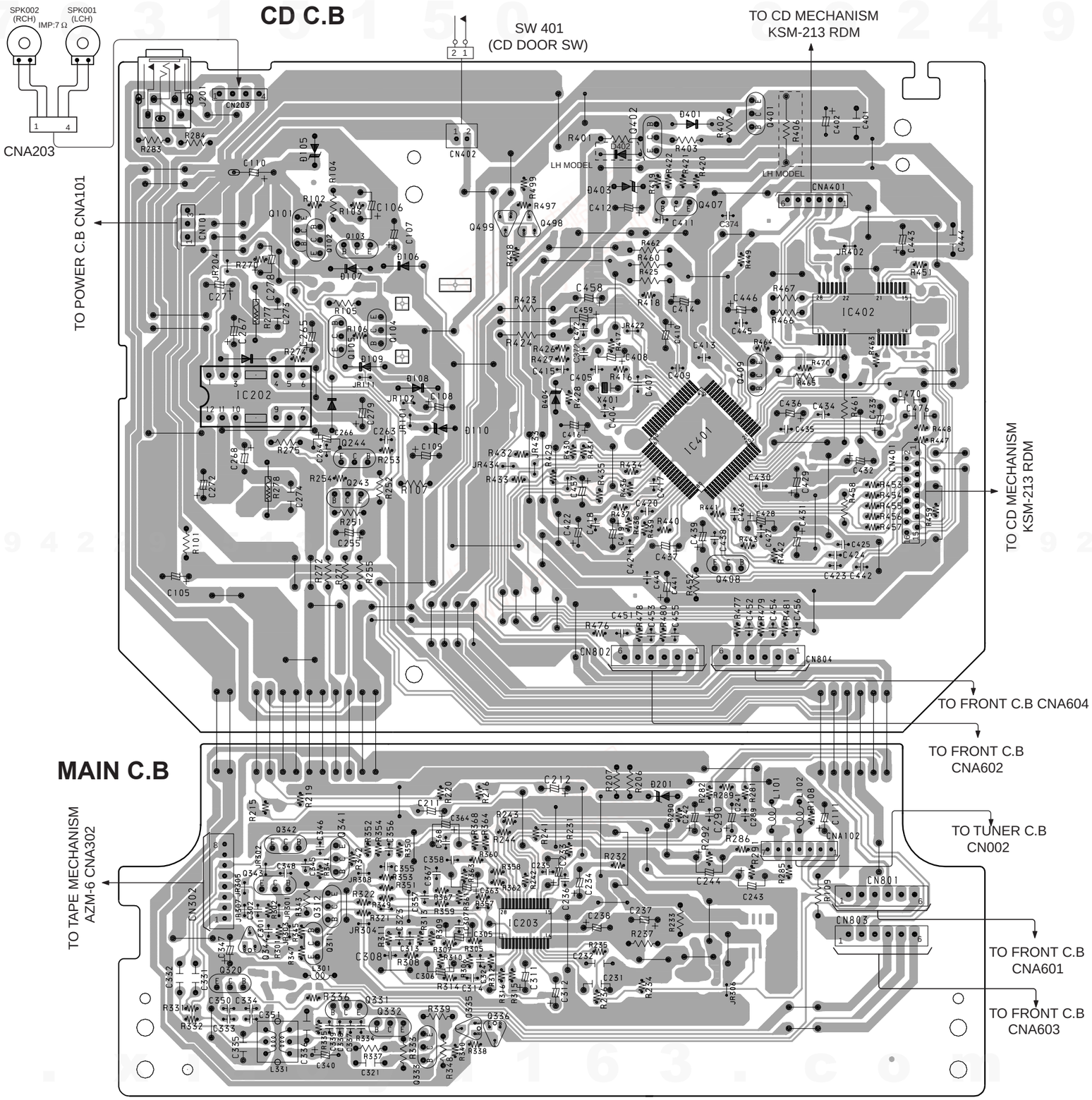
WIRING -1/5 (MAIN/CD)



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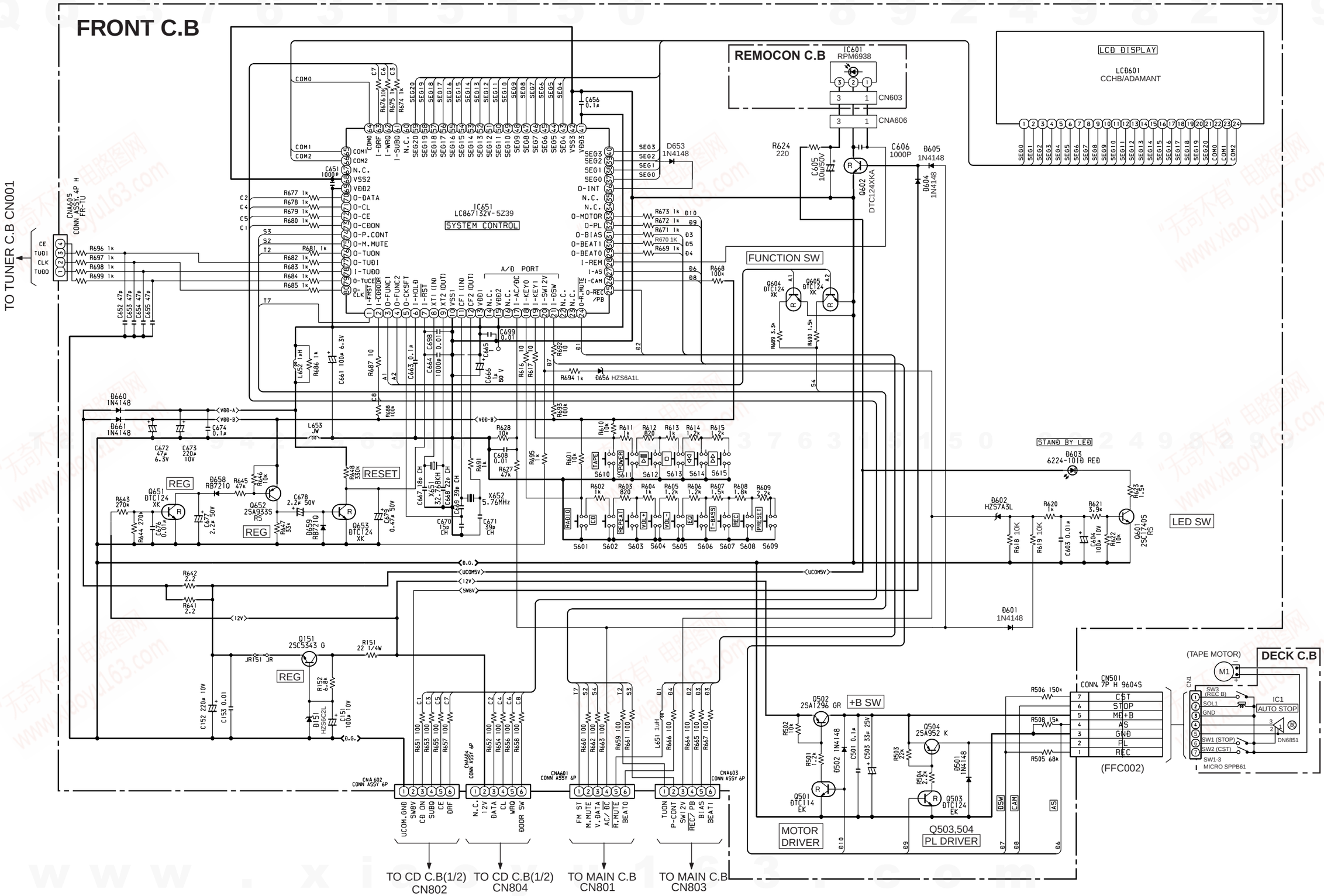
SCHEMATIC DIAGRAM -3/5 (FRONT/REMOCON/DECK)



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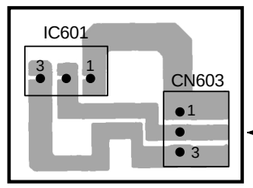
32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

A B C D E F G H I J K L M N O P Q R S T U

REMOCON C.B

IC601
REMOTE CONTROL SENSOR



TO MAIN C.B CN801
TO MAIN C.B CN803
TO MAIN C.B CN804
TO MAIN C.B CN802

TO TAPE MECHANISM AZM-6 (FFC002)

FRONT C.B

TO TUNER C.B CN001

D603 (STANDBY LED)

S608 REC

S612 ▶II PLAY/PAUSE

S615 ▶▶ TUNING S614 ◀◀

S613 ■ STOP

S609 PRESET

S603 REPEAT/ MODE/SLEEP

S602 CD

LCD651 DISPLAY

S601 RADIO BAND

S610 TAPE

S607 T-BASS

S606 3-MODE EQ

S611 POWER ⏻ STANDBY/ON

S604 △ VOLUME ▽ S605

NOTE:

RXXX

CXXX

JRXXX

QXXX (C, B, E)

SXXX

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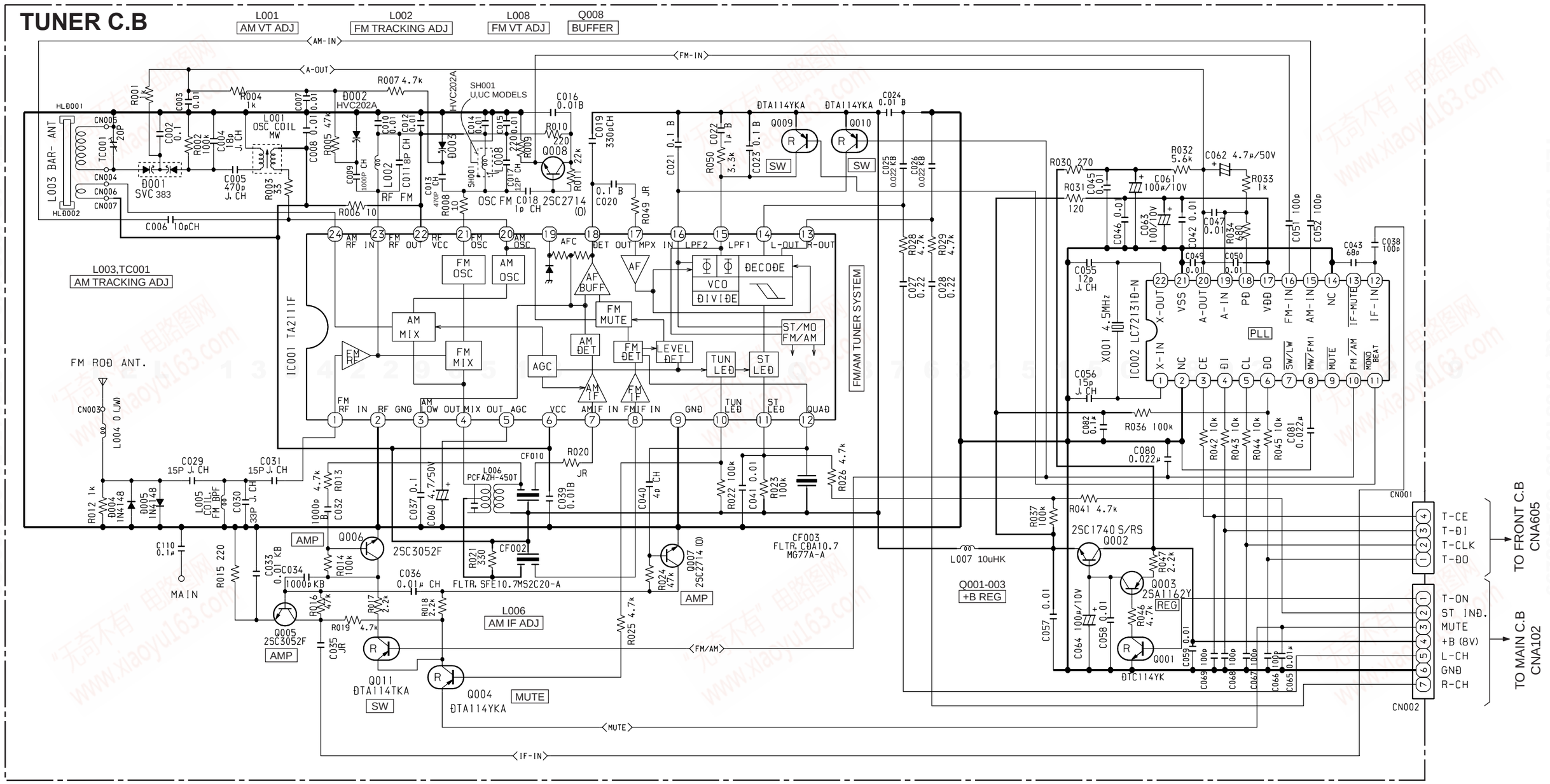
SCHEMATIC DIAGRAM -4/5 (TUNER)



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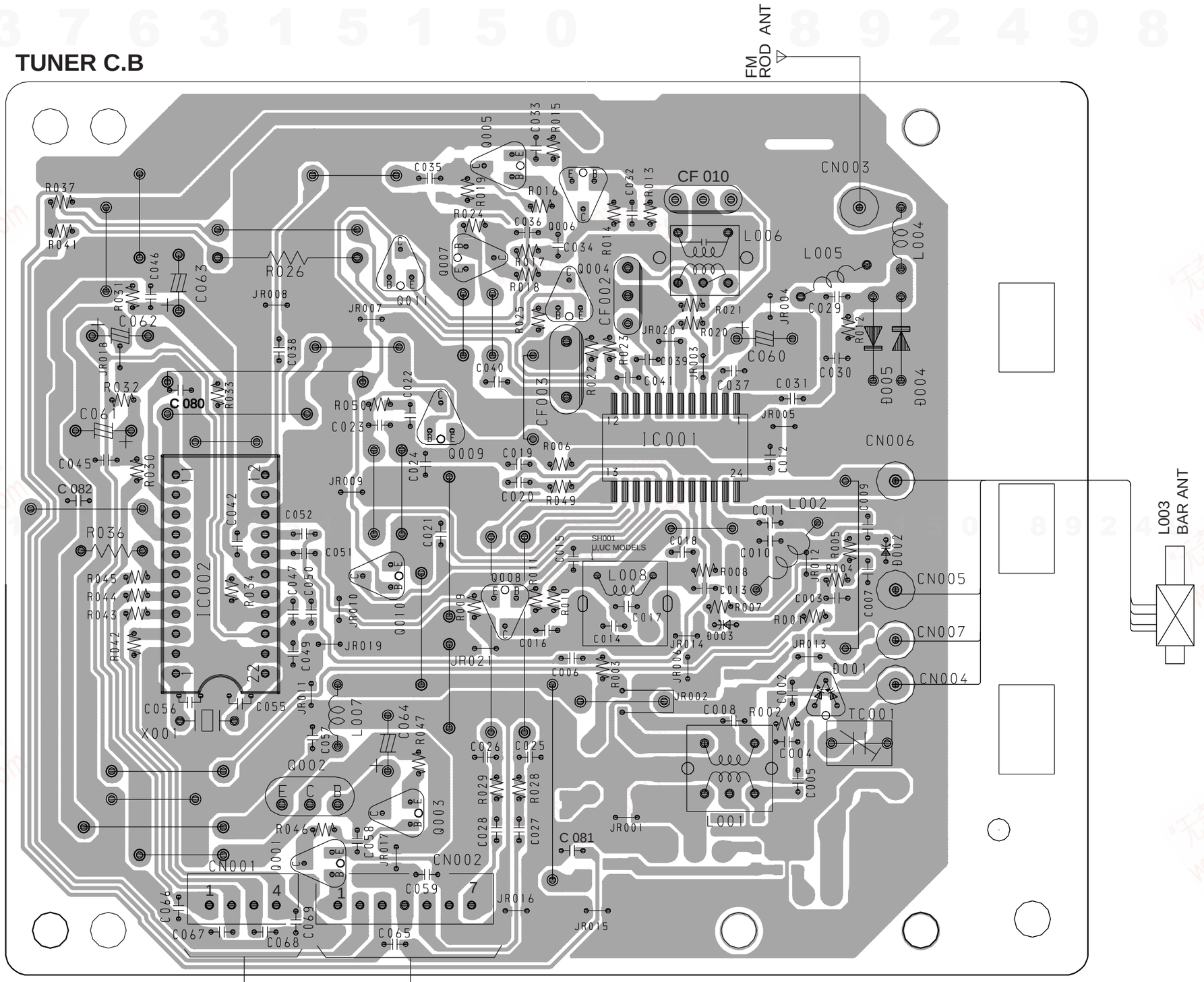
TUNER C.B



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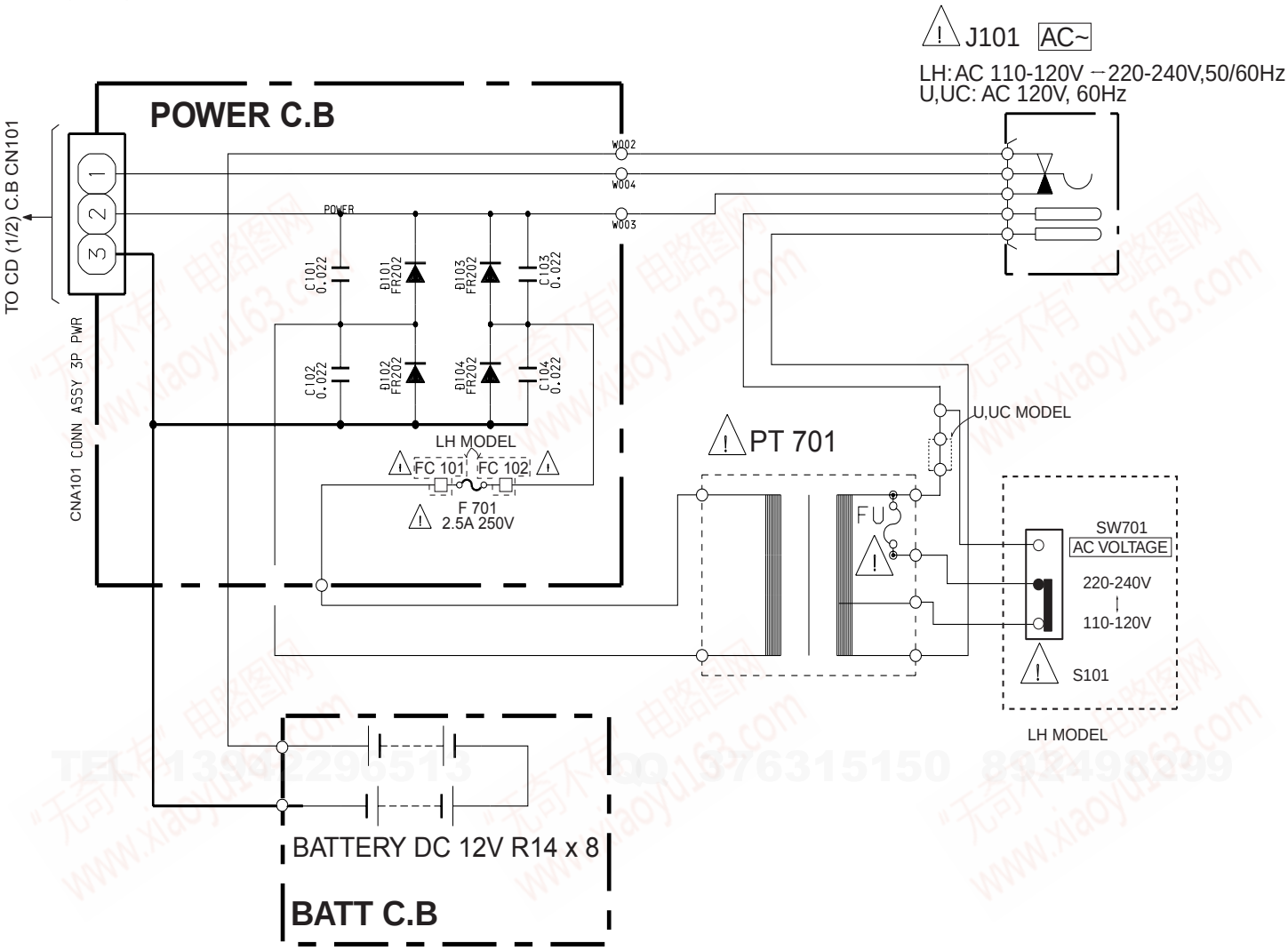
SCHEMATIC DIAGRAM -5/5 (POWER/BATT)



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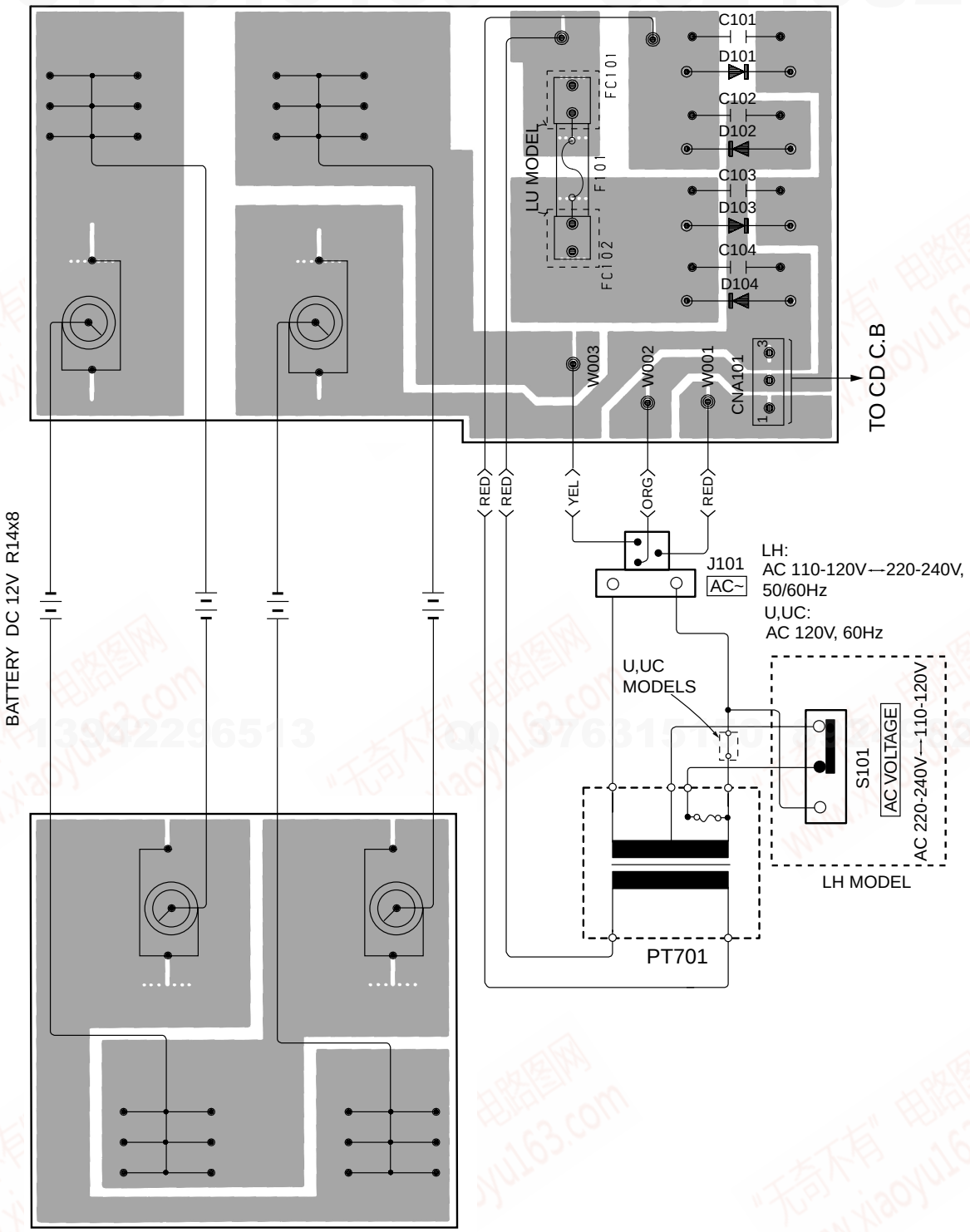
15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

A B C D E F G H I J K L M N O P Q R S T U

POWER C.B



BATT C.B

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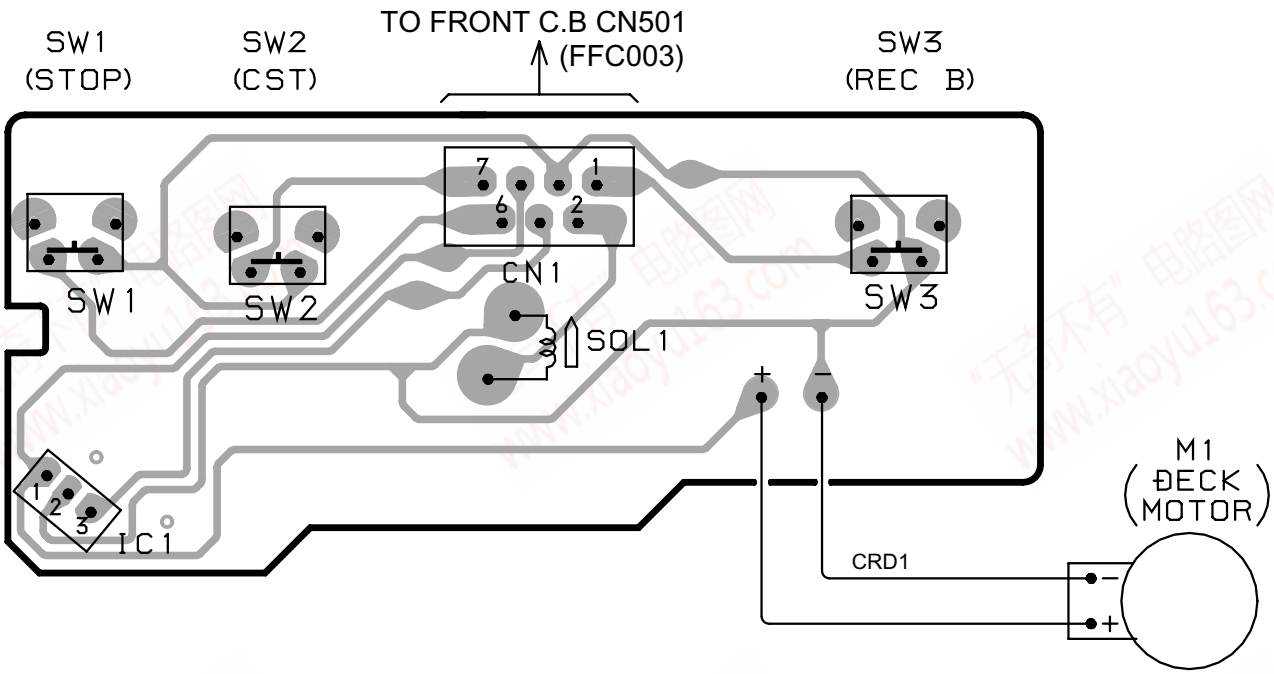
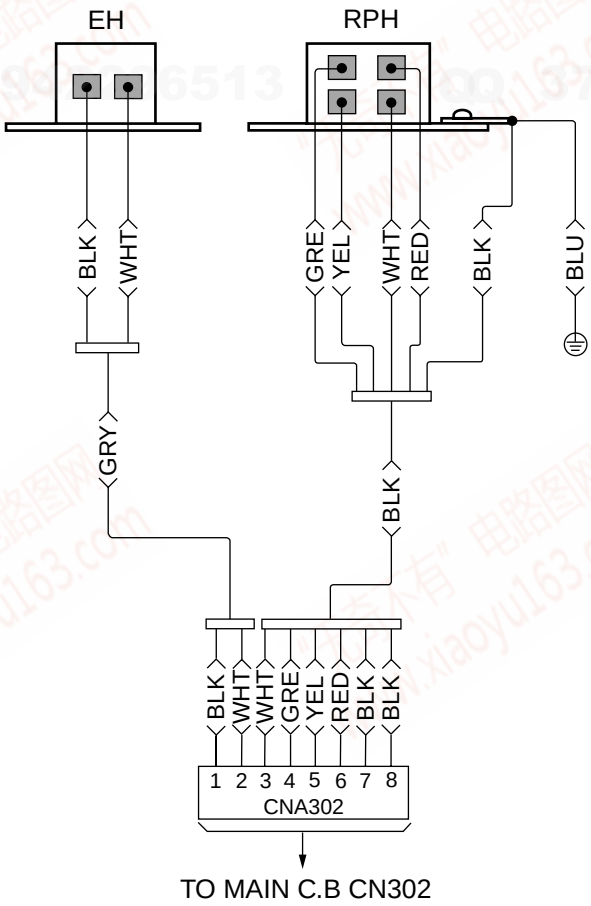
WIRING -5/5 (DECK)

15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

A B C D E F G H I J K L M N O P Q R S T U

DECK C.B





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VOLTAGE CHART -1/2

THE MEASURED VALUE IS DC VOLTAGE
CD SECTION
TEST CONDITION: CD PLAY

UNIT: V

IC651 (LC867132V)

PIN'S NUMBER	1	2	3	4	5	6	7	8	9	10
PLAY	0.27	0	4.69	4.69	0	0	4.58	1.30	2.58	0
PIN'S NUMBER	11	12	13	14	15	16	17	18	19	20
PLAY	2.16	2.39	4.72	0.14	4.72	0.13	2.07	0.43	4.85	5
PIN'S NUMBER	21	22	23	24	25	26	27	28	29	30
PLAY	4.81	0	0	0	4.70	4.82	0	5.12	0	0
PIN'S NUMBER	31	32	33	34	35	36	37	38	39	40
PLAY	0	0	0	0	0	4.73	2.33	2.41	2.34	2.40
PIN'S NUMBER	41	42	43	44	45	46	47	48	49	50
PLAY	4.73	0	2.40	0	2.40	2.40	2.38	2.37	2.35	2.35
PIN'S NUMBER	51	52	53	54	55	56	57	58	59	60
PLAY	2.38	2.40	2.35	2.35	2.40	2.40	2.40	2.35	2.40	2.4
PIN'S NUMBER	61	62	63	64	65	66	67	68	69	70
PLAY	4.58	4.10	4.96	2.40	2.40	2.40	0.13	0	4.73	4.68
PIN'S NUMBER	71	72	73	74	75	76	77	78	79	80
PLAY	4.60	0.56	4.67	4.71	0	0	0	0.47	0	0

IC401 (LC78646E)

PIN'S NUMBER	1	2	3	4	5	6	7	8	9	10
PLAY	1.59	1.02	1.59	1.60	3.29	0	1.72	1.71	1.65	1.66
PIN'S NUMBER	11	12	13	14	15	16	17	18	19	20
PLAY	1.65	1.65	1.68	1.63	1.62	0.34	0.87	3.29	0	1.65
PIN'S NUMBER	21	22	23	24	25	26	27	28	29	30
PLAY	1.81	1.72	1.77	1.64	0	0.40	3.28	0	0	0
PIN'S NUMBER	31	32	33	34	35	36	37	38	39	40
PLAY	3.28	0	0	0	1.63	1.60	0	3.29	1.63	0
PIN'SNUMBER	41	42	43	44	45	46	47	48	49	50
PLAY	3.16	1.57	0	0	1.58	3.16	3.18	1.43	1.47	0.26
PIN'S NUMBER	51	52	53	54	55	56	57	58	59	60
PLAY	0	0	0	0	0	0	0	1.63	1.61	1.09
PIN'SNUMBER	61	62	63	64	65	66	67	68	69	70
PLAY	0.56	4.61	0	0	0	0	0	4.96	0	0
PIN'SNUMBER	71	72	73	74	75	76	77	78	79	80
PLAY	0	0	1.37	1.37	0	1.04	3.29	2.54	0.19	2.43

IC402 (MM1649PH)

PIN'SNUMBER	1	2	3	4	5	6	7	8	9	10
PLAY	3.78	3.99	1.65	1.66	7.07	3.29	3.29	0	1.67	1.65
PIN'SNUMBER	11	12	13	14	15	16	17	18	19	20
PLAY	0	0	0	7.36	0.85	0	3.92	3.90	1.65	1.65
PIN'S NUMBER	21	22	23	24	25	26	27	28		
PLAY	7.84	7.83	1.65	1.67	1.65	4.16	3.62	0		

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TUNER SECTION

TEST CONDITION:SET AM/FM TUNER ON ONE FREQUENCY

IC001 (TA2111F)

PIN'SNUMBER	1	2	3	4	5	6	7	8
AM	0	0	1.14	4.77	0.40	4.80	4.12	4.80
FM	0.83	0	0.32	4.63	0.61	0	4.21	4.74
PIN'SNUMBER	9	10	11	12	13	14	15	16
AM	0	0	4.77	4.22	1.32	1.27	4.79	4.79
FM	0	0	0	3.97	1.28	1.28	4.06	3.50
PIN'SNUMBER	17	18	19	20	21	22	23	24
AM	0.71	1.13	1.13	4.80	4.74	4.74	4.74	4.80
FM	0.71	1.25	0.31	4.74	4.69	4.67	4.67	4.74

IC002 (LC72131)

PIN'SNUMBER	1	2	3	4	5	6	7	8	9	10	11
AM	2.31	0	0	0	0	4.75	0	0	0.62	0	0
FM	2.17	0	0	0	0	0	0.52	0	0.50	4.72	4.72
PIN'SNUMBER	12	13	14	15	16	17	18	19	20	21	22
AM	0	0.51	0	2.32	0	4.75	0.88	0.88	2.58	0	2.27
FM	0	0.62	0	0	2.24	4.48	0.84	0.84	3.80	0	2.14

TRANSISTORS	Q009(DTA114YKA)			Q010(DTA114YKA)		
	E	C	B	E	C	B
AM	4.80	4.80	0	4.80	4.80	0
FM	4.75	4.06	4.73	4.75	3.51	4.73

TRANSISTOR	Q001(DTC114YK)			Q002(C1740)			Q003(2SA1162Y)		
	E	C	B	E	C	B	E	C	B
FM	0	0	3.94	4.75	7.91	5.45	5.45	5.45	4.75

CASSETTE SECTION

IC203 (BD3881FV)

PIN'SNUMBER	1	2	3	4	5	6	7	8	9	10
PLAY	3.52	3.52	3.52	3.52	3.51	3.52	3.52	3.52	3.52	3.53
PIN'SNUMBER	11	12	13	14	15	16	17	18	19	20
PLAY	3.53	7.42	3.97	0	3.52	3.52	3.52	3.52	0.96	0.96
PIN'SNUMBER	21	22	23	24	25	26	27	28		
PLAY	3.51	3.51	3.51	3.51	3.53	3.53	3.53	3.53		

IC202 (TA8227)

PIN'SNUMBER	1	2	3	4	5	6
PLAY	13.46	6.95	13.23	0	0.56	0
PIN'SNUMBER	7	8	9	10	11	12
PLAY	0	0.57	7.19	13.25	7.11	14.24

TRANSISTORS	Q101(B1370)			Q102(A933)			Q103(C124)		
	B	C	E	E	C	B	E	C	B
PLAY	13.50	13.52	14.21	13.60	13.60	12.94	0	0	4.20
TRANSISTORS	Q104(B1370)			Q105(C1740)					
	B	C	E	E	C	B			
PLAY	13.35	7.93	12.83	7.20	12.84	7.77			

TRANSISTORS	Q331(C3198)			Q332(C3198)			Q333(C3198)		
	E	C	B	E	C	B	E	C	B
REC.	0.42	5.95	0	0.42	5.97	0.28	6.22	6.38	7

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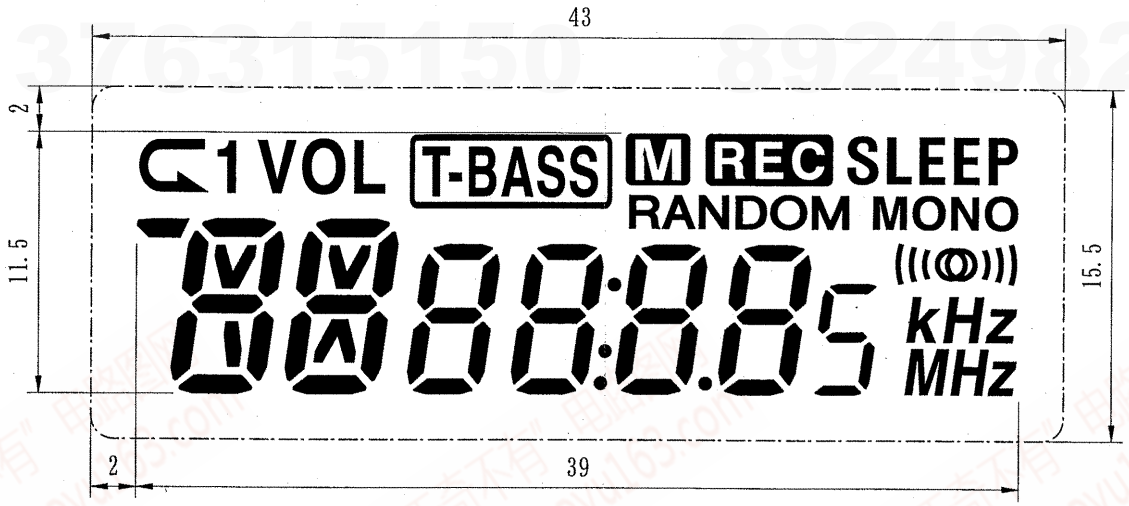
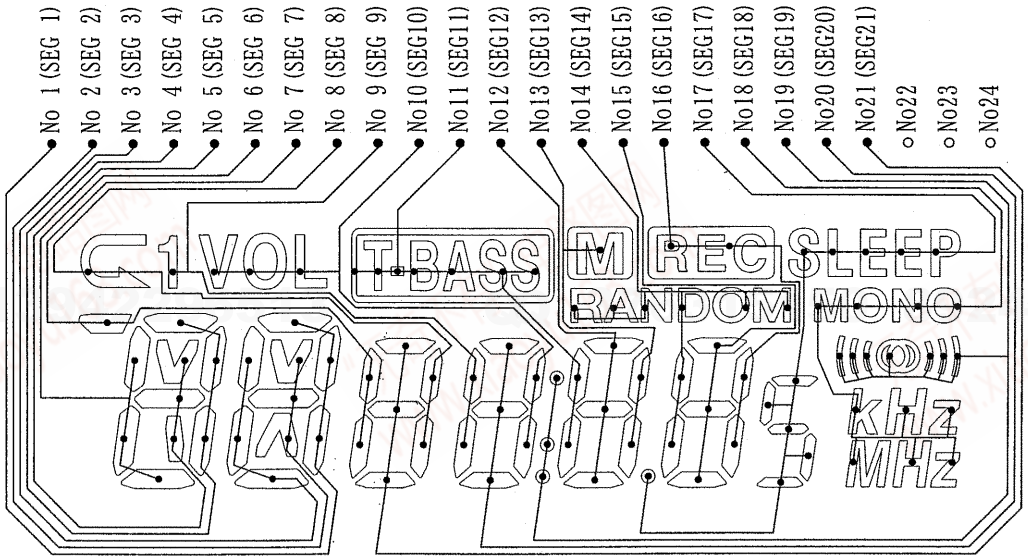
LCD DIAGRAM -1/1 (LCD,CCH-B/ADAMANT)

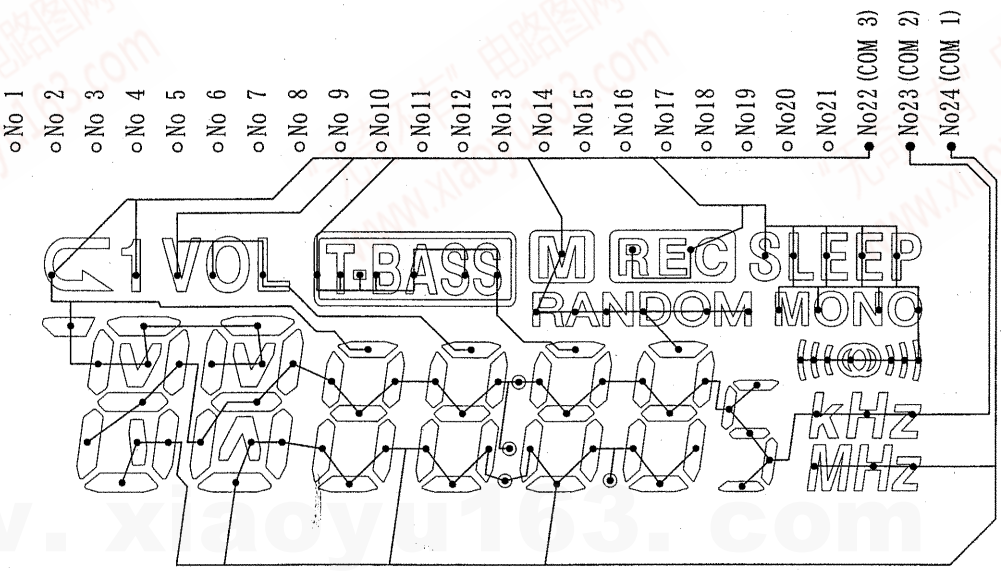
CHARACTER



SEGMENT



COMMON



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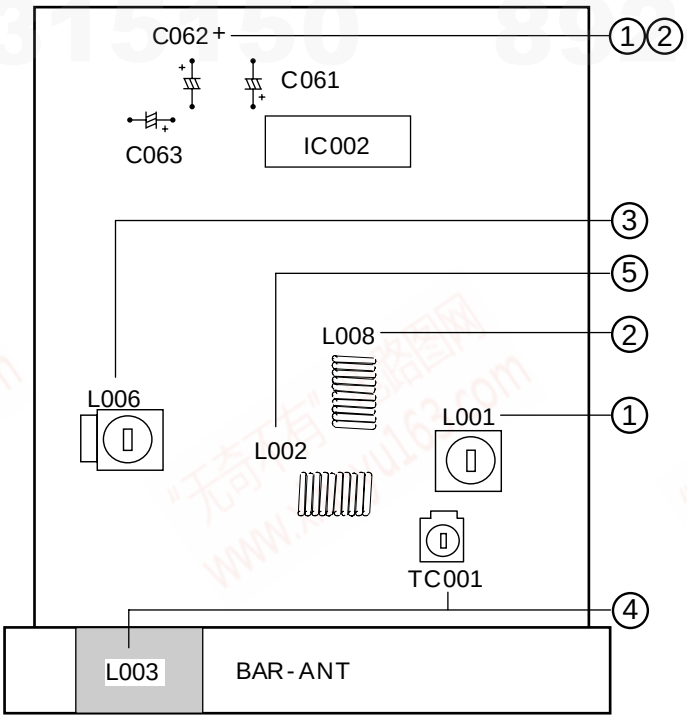
TUNER C.B

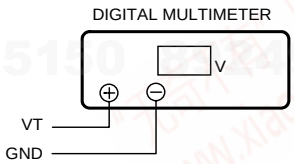


<TUNER Adjustment>

1. AM VT Adjustment

Requirement:

- Measuring instrument: Digital multimeter
- Test points: VT (C062+), GND
- Adjustment location: L001



1) Connect the digital multimeter between VT(C062+)andGND.
2) Set the function to AM and tune the reception frequency to 1710KHz.
   Adjust L001 so that the digital multimeter indicates 6.0 ± 0.05V.

2. FM VT Adjustment

Requirement:

- Measuring instrument: Digital multimeter
- Test points: VT (C062+), GND
- Adjustment location: L008

1) Connect the digital multimeter between VT(C062+) and GND.
2) Set the function to FM and tune the reception frequency to 108.0MHz.
   Adjust L008 so that the digital multimeter indicates 6.0 ± 0.05V.

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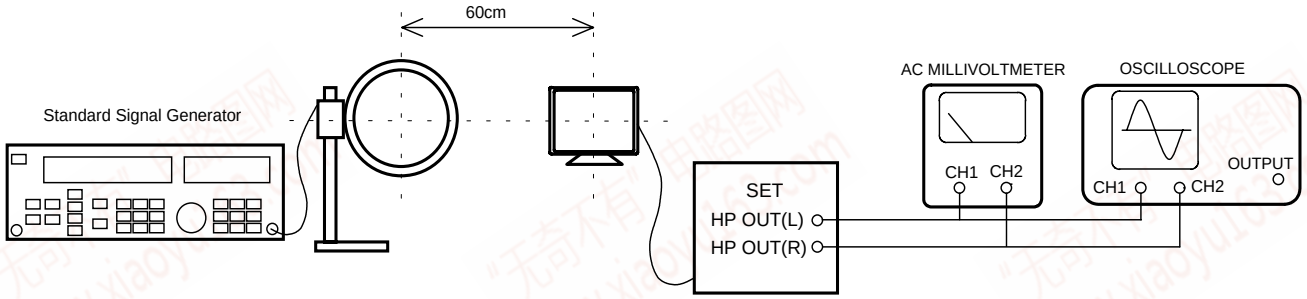
<AM Adjustment>

Make the following preparation for AM adjustment.

Preparation

- Measuring instruments: Standard Signal Generator (S.S.G)/Loop antenna/Oscilloscope/Millivoltmeter

1) Connect the unit and measuring instruments as shown in the diagram below.
2) Position the loop antenna connected to S.S.G. and the one connected to the unit 60cm apart.



3. AM IF Adjustment

Requirement:

- Test point: HP OUT
- Adjustment location: L006

1) Set S.S.G. to AM, carrier of 1400 or 1404KHz with 30% modulation, and source at 1KHz.
2) Tune the receiving frequency of the unit at AM 1400 or 1404KHz.
3) While monitoring the waveform at 1KHz through the oscilloscope, lower the output level of S.S.G. maximum (till a certain degree of noise is monitored).
4) Adjust L006 so that the millivoltmeter points maximum.

4. AM Tracking Adjustment

Requirement:

- Test point: HP OUT
- Adjustment locations: L003(BAR-ANT), TC001

1) Adjust TC001 so that the mechanical center.
2) Set S.S.G. to AM, carrier 600 or 603KHz with 30% modulation, source at 1KHz, and output at maximum.
3) Tune the unit to the receiving frequency at AM 600 or 603KHz.
4) While monitoring the waveform at 1KHz through the oscilloscope, lower the output level of S.S.G. maximum (till a certain degree or noise is monitored).
5) Adjust L003(BAR-ANT) so that the millivoltmeter indicates maximum.
6) Set S.S.G. to AM, carrier 1400 or 1404KHz with 30% modulation, source at 1KHz.
7) Turn the unit to the receiving frequency at AM 1400 or 1404KHz.
8) While monitoring the waveform at 1KHz through the oscilloscope, lower the output level of S.S.G. maximum (till a certain degree or noise is monitored).
9) Adjust TC001 so that the millivoltmeter indicates maximum.
10) Repeat the above step 2 to 9 two to three time.

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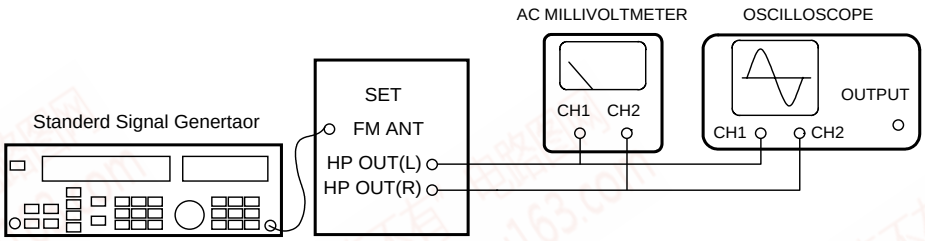
<FM Adjustment>
Make the following preparation for FM adjustment.
Preparation
- Measuring instruments: Standard Signal Generator (S.S.G) /Oscilloscope/Millivoltmeter

1) Connect the unit and measuring instruments as shown in the diagram below.
2) Position the loop antenna connected to S.S.G. and the one connected to the unit 60cm apart.



5. FM Tracking Adjustment
Requirement:
- Test point: HP OUT
- Adjustment location: L002

1) Set S.S.G. to FM, carrier 87.5MHz with 75KHz modulation, source at 1KHz.
2) Tune the unit to the receiving frequency at FM 87.5KHz.
3) While monitoring the waveform at 1KHz through the oscilloscope, lower the output level of S.S.G. maximum (till a certain degree or noise is monitored).
4) Adjust L002 so that the millivoltmeter indicates maximum.

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DECK ADJUSTMENT

Equipment and tools required

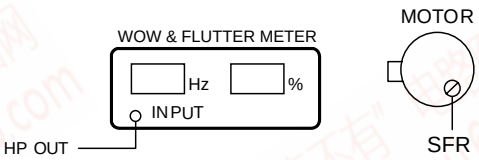
Measuring equipment

- Wow-flutter meter
- Oscillosope
- Tset tape:TTA-100/TTA-300(or TTA-310,320)

1. Tape Speed Adjustment

Requirements

Measuring equipments : wow-flutter meter (frequency counter)
Test Tape: TTA-100 (3KHz)
Test point: HP OUT
Adjustment point : MOTOR SFR



1) Connect HP OUT to the Wow - flutter meter.
2) Insert the test tape (TTA-100) to Deck2, FWD play back center of the tape and adjust the MOTOR SFR until it becomes 3,000Hz ± 20Hz.

2. Wow – flutter Check

Requirements

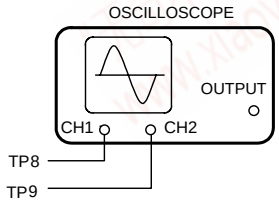
Test tape: TTA-100 (3KHz)
Test point: HP OUT
Adjustment point : MOTOR SFR

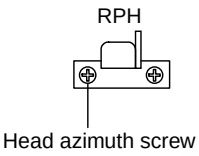
1) Connect the HP OUT to the Wow – flutter meter.
2) Set the indicator to JIS and the mode to W&F(or RMS,UN WTD) of the Wow - flitter meter.
3) Play back thee center of the test tape (TTA-100) and check that it is below 0.35%.

3. Head Azimuth Adjustment

Requirements

Measuring equipment: Oscilloscope
Test Tape: TTA-300 (10KHz)
Test point: HP OUT/SP OUT
Adjustment point: Head azimuth screw





1) Connect the Test point to the oscilloscope of CH1(Lch) and CH2 (Rch).
2) Set the V mode of the oscilloscope to ADD.
3) Insert the test tape (TTA-330) to Deck1 ,FWD play back the center of the tape and adjustment the head azimuth screw until the waveform of the oscilloscope has reached the maximum when playing back at 10KHz.
4) After the adjustment, bond lock (1600B) the screw.

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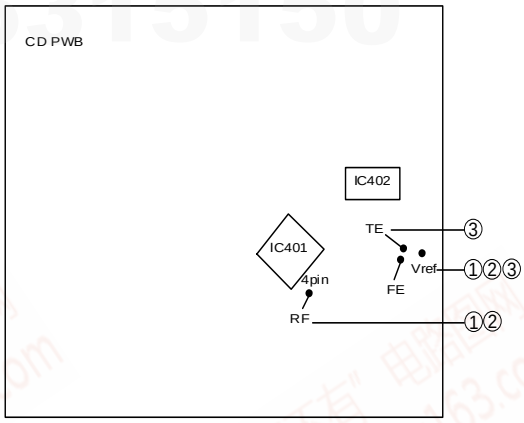
ELECTRICAL ADJUSTMENT -5/5

CD CHECK



Perform the adjustments after the main unit enters the test mode.
Place the CD mechanism on level ground.
Equipment and tools required

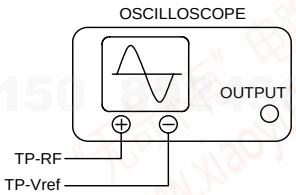
Measuring equipment

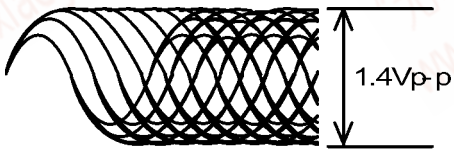
- Digital multi-meter
- Oscilloscope (10:1)
- Jitter meter (KIKUSUI 6235)

Test disc: TCD-782
ATD-001

1. Rf Waveform Check

1) Connect oscilloscope to the test point RF and Vref.
2) Play back the second track of TCD-782.
3) Check that the RF waveform has the maximum amplitude and the center of the wedge waveform has the clear blank.

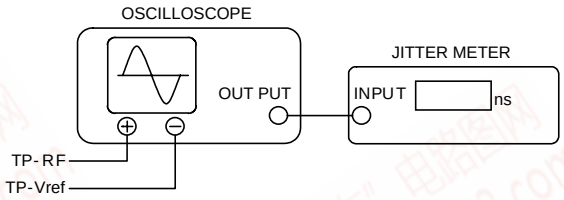




0.2V/DIV, 500 μs/DIV

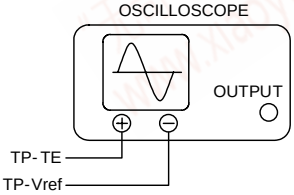
2. Jitter Check

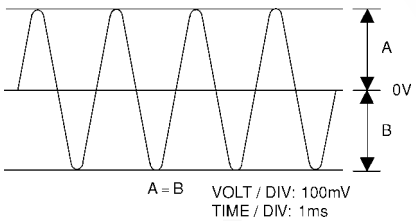
1) While oscilloscope is kept connected in the same test point as in step1. RF WAVEFORM CHECK, connect the output terminal of an oscilloscope to the input terminal of the jitter meter.
2) Set the VOLT range selector of oscilloscope to 500mV range or below.
3) Play back secnod track of TCD-782.
4) Check that jitter meter indicates 28.0ns or less.



3. Traking Balance Check

1) Connect the TE and Vref to the oscilloscope.
2) Playback the second track of TCD-782 and press the PAUSE butten.
3) Check that the ttaverse waveforms of oscilloscope are up and down symmetrical.





4. Play Ability Check

1) Play back the 3rd , 8th and 13th track of ATD-001. Check that the noise does not occur sound skipping does not occur.

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CD TEST MODE -1/1

1. How to Start the CD Test Mode

While pressing the FUNCTION button, insert the AC plug to the power outlet.
When the test mode is started, the message [All indicators light] is displayed.

2. How to Exit the CD Test Mode

Press the POWER button, push other FUNCTION button or disconnect the AC plug.
* Pressing any other function key during PLAY, aborts the test mode.

3. Function Descriptions and Application of the CD Test Mode

No	Mode	Operation	Display	Function	Checking item
1	Start mode		All indicators light	• All FL indicators light	• FL check • Microprocessor check
2	Search mode	STOP button	Normal	• LD illuminates all the time • Focus search continuous operations *1,*2 • Spindle motor continuous kick	• APC circuit check • Laser current measurement • Focus search waveform check
3	Play mode	PLAY/ PAUSE button	Normal	• Normal playback • If TOC cannot be read, focus search is continued	• Each servo circuit is checked
4	Traverse mode	PLAY/ PAUSE button	Normal	• Tracking servo OFF/ON • Released by pressing the STOP button.	• Tracking balance check
5	Sled mode	FF button	All indicators light	• Pickup moves to the inner circumference *3 At the same time, lens kicks to the inner circumference	• Sled circuit check • Tracking circuit check • Mechanism operation check • Pickup check
		RWD button	All indicators light	• Pickup moves to the outer circumference *3 At the same time, lens kicks to the outer circumference	
6	Spindle mode	REC	All indicators light	• The spindle motor rotates forward (rough speed) by pressing the button and rotates backward by pressing one more time and stops by pressing again	• Spindle circuit • Spindle motor

*1: The driver IC heats up and the protection circuit starts working when the focus search is continued for 10 minutes or longer. There can be a case that operations can not be performed correctly.
In such a case, turn off the main power. After cooling down the machine, restart the machine.

*2: After the focus search is executed three times, the gain is changed to the CD-RW gain from the fourth time.

*3: Be careful not to damage the gear because the sled motor rotates while the FF or RWD button is being pressed even if the pick-up is located in the innermost track or the outermost track.

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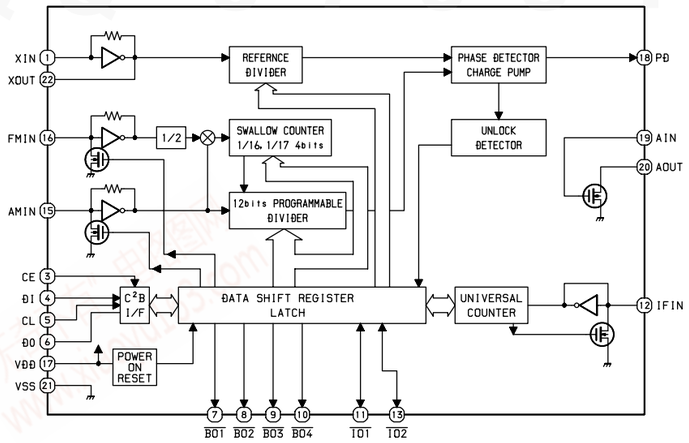
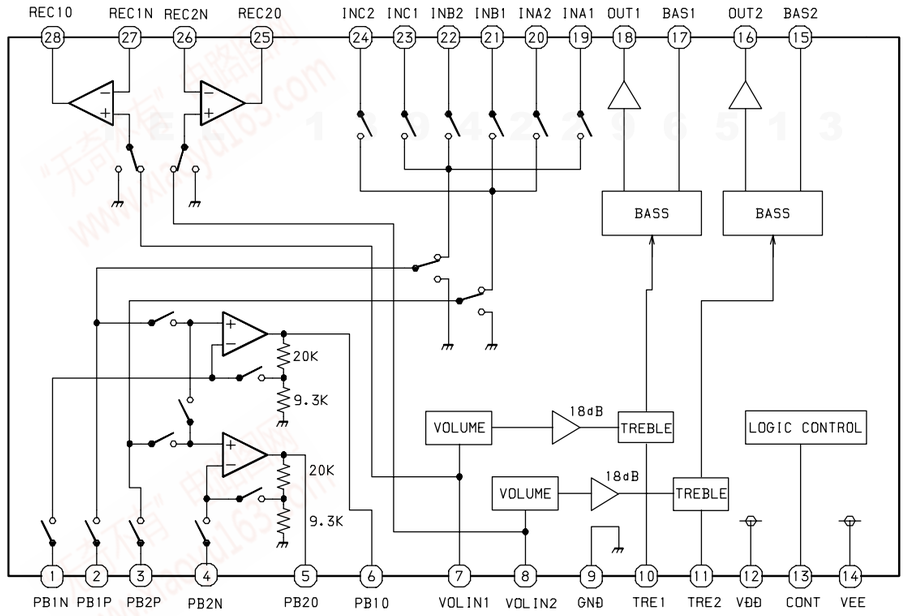
IC BLOCK DIAGRAM -1/1

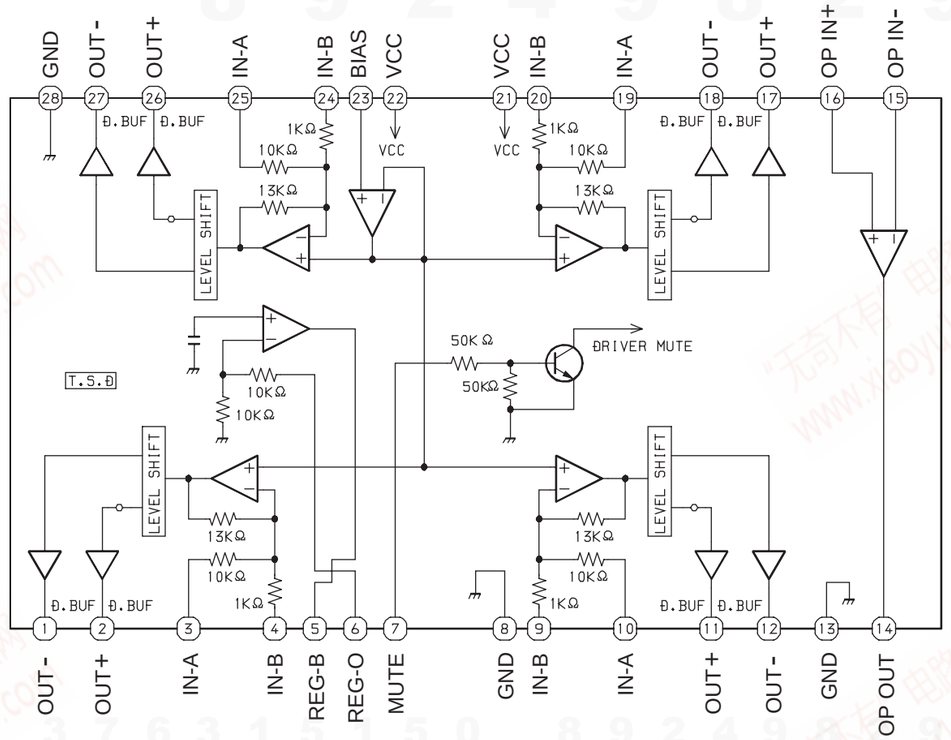
IC, LC72131D-N



IC, BD3881FV



IC, MM1469PH



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IC DESCRIPTION -1/2 (IC, LC78646E) -1/2

Pin No.	Pin Name	I/O	Description
1	SLCO	O	Slice level control output.
2	SLCIST	I	SLCO output current adjustment resistor connection pin.
3	EFMIN	I	RF signal input pin.
4	RF	O	RF monitor pin.
5	RFVDD	–	RF power supply pin.
6	RFVSS	–	RF ground pin. (Connected to 0V)
7	FIN1	I	A+C signal input pin.
8	FIN2	I	B+D signal input pin.
9	TIN1	I	E signal input pin.
10	TIN2	I	F signal input pin.
11	VREF	O	VREF voltage output pin.
12	REF1	I	Reference voltage setting pin.
13	FE	O	FE signal monitor pin.
14	TEC	O	TE signal low pass filter capacitor connection pin.
15	TE	O	TE signal monitor pin.
16	RFMON	O	RF internal signal monitor pin. (Not used)
17	JITTC	–	Jitter detection capacitor connection pin.
18	ADAVDD	–	Servo A/D, D/A supply pin.
19	ADAVSS	–	Servo A/D, D/A ground pin. (Connected to 0V)
20	TDO	O	Tracking control output pin. D/A output.
21	FDO	O	Focus control output pin. D/A output.
22	SPDO	O	Spindle control output pin. D/A output.
23	SLDO	O	Sled control output pin. D/A output.
24	GPDAC	O	Servo D/A general purpose output pin. (Not used)
25	CONT4	I/O	General purpose input/output pin 4. (Used as a CD driver mute pin) (Not used)
26	CONT5	I/O	General purpose input/output pin 5. (Not used)
27	SBCK/CONT6	I/O	Sub-code read clock input pin / General purpose input/output pin 6. (Used as a CD pickup inside limit switch pin)
28	SBCK/FG	I	Sub-code read clock input pin / FG signal input pin/external emphasis setting pin. Set to command pin function. (Connected to 0V)
29	DEFECT	O	Defect pin. (Not used)
30	V/P	O	Rough servo/phase control automatic switching monitor output pin. "H" for rough servo and "L" for phase servo. (Not used)
31	FSEQ	O	Synchronization signal detection output pin. Outputs a high level when the synchronization signal detected from the EFM signal and the internally generated synchronization signal agree. (Not used)
32 ~ 36	MONI1 ~ MONI5	O	Internal signal monitor pin 1 ~ 5. (Not used)
37	VSS	–	Digital ground pin. (Connected to 0V)
38	VDD	–	Digital power supply pin.
39	DOUT	O	Digital OUT output pin. (Not used)
40	TEST	I	Test input pin. (Connected to 0V)

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IC DESCRIPTION -1/2 (IC, LC78646E) -2/2

Pin No.	Pin Name	I/O	Description
41	LVDD	–	Left channel power supply pin.
42	LCHO	O	Left channel output pin.
43	LVSS	–	Left channel ground pin. (Connected to 0V)
44	RVSS	–	Right channel ground pin. (Connected to 0V)
45	RCHO	O	Right channel output pin.
46	RVDD	–	Right channel power supply pin.
47	XVDD	–	Crystal oscillator power supply pin.
48	XOUT	O	Connections for a 16.9344MHz crystal oscillator pin.
49	XIN	I	
50	FSX/16MIN	I/O	7.35kHz synchronization signal output pin / DF, DAC external clock input pin. (Not used)
51	XVSS	–	Crystal oscillator ground pin. (Connected to 0V)
52	C2F	O	C2 flag output pin. (Not used)
53	EFLG	O	C1, C2 error correction monitor pin. (Not used)
54	16MOUT	O	16.9344MHz output pin. (Not used)
55	ASLRCK	I	Left/Right clock input pin during anti-shock mode. (Connected to 0V)
56	ASDACK	I	Bit clock input pin during anti-shock mode. (Connected to 0V)
57	ASDFIN	I	Left/Right channel data input pin during anti-shock mode. (Connected to 0V)
58	LRSY	O	Left/Right clock output pin. (Not used)
59	DATACK	O	Bit clock output pin. (Not used)
60	DATA	O	Left/Right channel data output pin. (Not used)
61	CE	I	Chip enable signal input pin.
62	CL	I	Data transfer clock input pin.
63	DI	I	Data input pin.
64	DO	O	Data output pin. (Nch open drain output)
65	WRQ	O	Interruption signal output pin.
66	RES	I	Reset input pin. This pin must be set low briefly after power is first applied.
67	DRF	O	Focus ON detect pin.
68	VDD5	–	Microprocessor interface power supply pin.
69	VSS	–	Digital ground pin. (Connected to 0V)
70 ~ 72	CONT3 ~ CONT1	I/O	General purpose input/output pin 3 ~ 1. (Not used)
73	PDO1	O	Phase comparison output pin 1 to control built-in VCO.
74	PDO2	O	Phase comparison output pin 2 to control built-in VCO.
75	VVSS	–	Built-in VCO ground pin. (Connected to 0V)
76	PCKIST	I	Resistor connection pin to set current for PDO1 and PDO2 outputs.
77	VVDD	–	Built-in VCO power supply pin.
78	FR	I	Resistor connection pin to set the frequency range of built-in VCO.
79	LDS	I	Laser power detection signal input pin.
80	LDD	O	Laser power control signal output pin.

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IC DESCRIPTION - 2/2 (IC,LC867132V-5Z39) - 1/2

Pin NO.	Pin Name	I/O	Description
1	I-$\overline{\text{FM ST}}$	I/O	FM stereo status input: “L” input at stereo.
2	I-$\overline{\text{CDDOOR}}$	I	CD door switch open/close detection: “L” input at door close.
3	O-FUNC1	O	FUNCTION IC control output (LOW output or high output).
4	O-FUNC2	O	FUNCTION IC control output (LOW output or High output).
5	O-CKSFT	O	µ-COM main clock shift output (LOW output or H-imp).
6	I-HOLD	I	Hold status detection: Entry to hold at “H”.
7	I-$\overline{\text{RST}}$	I	µ-COM reset input.
8	XT1(IN)	I	Connected to 32.768 KHz X’TAL.
9	XT2(OUT)	O	Connected to 32.768 KHz X’TAL.
10	VSS1	–	µ-COM power GND.
11	CF1(IN)	I	Connected to 5.76 MHz CF.
12	CF2(OUT)	O	Connected to 5.76 MHz CF.
13	VDD1	–	µ-COM +5V power.
14	N.C.	I/O	(Not used)
15	VDD2	–	µ-COM +5V power.
16	N.C.	I/O	(Not used)
17	I-AC/DC	I	AC/DC input.
18	I-KEY0	I	KEY input ①.
19	I-KEY1	I	KEY input ②.
20	I-SW12V	I	Machine power supply voltage detection.
21	I-DSW	I	TP REC possible/prohibited detection.
22,23	N.C.	O	(Not used)
24	O-R.MUTE	O	TP REC mute control output (Not necessary when using BD3881FV made by Rohm Inc.).
25	O-$\overline{\text{REC}}$/PB	O	TP REC/PB selection control output.
26	I-CAM	I	TP stop pulse detection.
27	I-AS	I	TP auto pulse detection.
28	I-REM	I	Remote control input.
29	O-BEAT0	O	AM beat selector output ①.
30	O-BEAT1	O	AM beat selector output ②.
31	O-BIAS	O	TP REC bias control output.
32	O-PL	O	TP mechanism control output (plunger solenoid).
33	O-MOTOR	O	TP mechanism control output (motor).
34	N.C.	O	Q-sound LED control output: LED lights at “H”. (Not used)
35	N.C.	O	(Not used)
36	O-INT	O	Initial diode matrix detection output.
37	SEG0	O	LCD segment output:LCD 1pin/Initial setting output (diode matrix) (SW).
38	SEG1	O	LCD segment output:LCD 2pin/Initial setting output (diode matrix) (LW).
39	SEG2	O	LCD segment output:LCD 3pin/Initial setting output (diode matrix) (AM 10K).
40	SEG3	O	LCD segment output:LCD 4pin/Initial setting output (diode matrix) (FM WIDE).

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IC DESCRIPTION - 2/2 (IC,LC867132V-5Z39) - 2/2

Pin NO.	Pin Name	I/O	Description
41	VDD3	–	µ-COM power supply +5V.
42	VSS3	–	µ-COM power supply GND.
43	SEG4	O	LCD segment output:LCD 5pin /Initial setting output (diode matrix). (OIRT)
44-59	SEG5-SEG20	O	LCD Segment ouptut:LCD 6pin-LCD 21pin.
60	N.C.	O	(Not used)
61	I-SUBQ	I	CD subcode Q, data input.
62	I-WRQ	I	CD subcode Q, standby input.
63	I-DRF	I	CD RF detection input.
64	COM0	O	LCD common output:LCD 22pin.
65	COM1	O	LCD common output:LCD 23pin.
66	COM2	O	LCD common output:LCD 24pin.
67	N.C.	O	(Not used)
68	VSS2	–	µ-COM power supply:GND.
69	VDD2	–	µ-COM power supply:+5V.
70	O-DATA	O	CD command output.
71	O-CL	O	CD command/subcode CLK.
72	O-CE	O	CD chip enable output.
73	O-CDON	O	CD function power control output.
74	O-P.CONT	O	Machine power control output.
75	O-M.MUTE	O	Main mute output.
76	O-TUON	O	TU function power control output.
77	O-TUDI	O	Data output to TU IC (LC72131).
78	I-TUDO	I	Data input from TU IC (LC72131).
79	O-TUCE	O	CE output to TU IC (LC72131) .
80	O-CLK	O	TU IC (LC72131) clock output.

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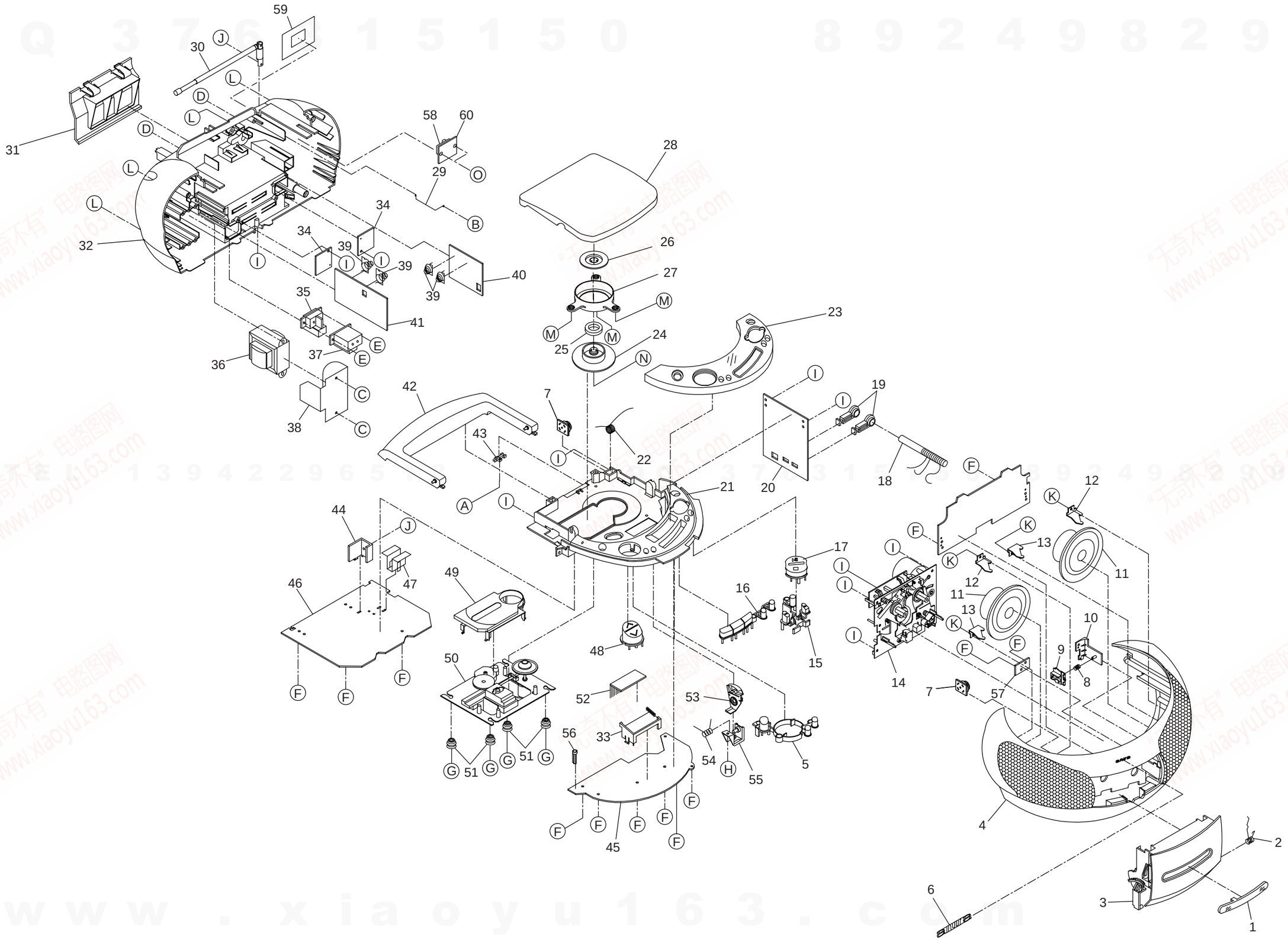
MECHANICAL EXPLODED VIEW -1/1



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MECHANICAL PARTS LIST -1/2

! = ⚠SAFTY PARTS
C = Components marked
All components used on this model at the production line are shown in this service manual.
However, please note that not all components will be available as spare parts for after-sales service.
Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.
Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL					
						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
		O	MC1001	8C-CHB-012-010	WINDOW,CASS	a	b	c	d	e	f
		O	MC1002	8C-CHB-207-010	SPR-T,CASS	a	b	c	d	e	f
		O	MC1003	8C-CHM-022-010	LID,CASS DL	a	.	.	.	.	.
		O	MC1003	8C-CHM-016-010	LID,CASS	.	b	.	.	e	f
		O	MC1003	8C-CHM-019-010	LID,CASS L	.	.	c	.	.	.
		O	MC1003	8C-CHM-018-010	LID,CASS S	.	.	.	d	.	.
		O	MC1004	8C-CHB-118-010	CABI ASSY,FRONT U DL	a	.	.	.	.	.
		O	MC1004	8C-CHB-114-010	CABI ASSY,FRONT U	.	b	.	.	.	f
		O	MC1004	8C-CHB-036-010	CABI ASSY,FRONT L	.	.	c	.	.	.
		O	MC1004	8C-CHB-022-010	CABI ASSY,FRONT S	.	.	.	d	.	.
		O	MC1004	8C-CHB-001-010	CABI ASSY,FRONT LH	.	.	.	.	e	.
		X	MC1004a	8C-CHB-119-010	CABI,FRONT U DL	a	.	.	.	.	.
		X	MC1004a	8C-CHB-115-010	CABI,FRONT U	.	b	.	.	.	f
		X	MC1004a	8C-CHB-037-010	CABI,FRONT L	.	.	c	.	.	.
		X	MC1004a	8C-CHB-023-010	CABI,FRONT S	.	.	.	d	.	.
		X	MC1004a	8C-CHB-002-010	CABI,FRONT LH	.	.	.	.	e	.
		X	MC1004b	8C-CHB-126-010	GRILLE,L DL	a	.	.	.	.	.
		X	MC1004b	8C-CHB-004-010	GRILLE,L	.	b	.	.	e	f
		X	MC1004b	8C-CHB-038-010	GRILLE,L L	.	.	c	.	.	.
		X	MC1004b	8C-CHB-024-010	GRILLE,L S	.	.	.	d	.	.
						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
		X	MC1004c	8C-CHB-127-010	GRILLE,R DL	a	.	.	.	.	.
		X	MC1004c	8C-CHB-005-010	GRILLE,R	.	b	.	.	e	f
		X	MC1004c	8C-CHB-039-010	GRILLE,R L	.	.	c	.	.	.
		X	MC1004c	8C-CHB-025-010	GRILLE,R S	.	.	.	d	.	.
		O	MC1005	8C-CHB-014-010	KEY,POWER	a	b	c	.	e	f
		O	MC1005	8C-CHB-031-010	KEY,POWER S	.	.	.	d	.	.
		O	MC1006	8C-CHB-046-010	BADGE,AIWA 30 LIGHT SPRAY	a	b	c	d	e	f
		O	MC1007	87-063-165-010	OIL-DMPR,150	a	b	c	d	e	f
		O	MC1008	88-CD5-213-010	SPR-C,LOCK	a	b	c	d	e	f
		O	MC1009	82-NF5-229-010	PLATE,LOCK(*)	a	b	c	d	e	f
		O	MC1010	87-NF4-217-110	HLDR,LOCK 2	a	b	c	d	e	f
		O	MC1011	8C-CHB-632-010	SPKR,80MM 7OHM 2.5W	a	b	c	d	e	f
		X	MC1012	8C-CHB-204-010	HLDR,SPKR A	a	b	c	d	e	f
		X	MC1013	8C-CHB-205-010	HLDR,SPKR B	a	b	c	d	e	f
		X	MC1014	M8-AZM-695-070	AZM-6 YR3NC	a	b	c	d	e	f
		O	MC1015	8C-CHB-015-010	KEY,FF	a	b	c	.	e	f
		O	MC1016	8C-CHB-017-010	KEY,FUNC	a	b	c	.	e	f
		O	MC1016	8C-CHB-034-010	KEY,FUNC S	.	.	.	d	.	.
		O	MC1017	8C-CHB-016-010	KEY,PLAY	a	b	c	.	e	f
						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
		O	MC1017	8C-CHB-033-010	KEY,PLAY S	.	.	.	d	.	.
		O	MC1018	8A-CH4-670-010	BAR-ANT,MW 2B-ACH(COI)	a	b	c	d	e	f
		O	MC1019	8C-CHB-209-010	HLDR,BAR ANT	a	b	c	d	e	f
		X	MC1020	8C-CH4-621-010	PWB,TU SYNTH 4M	a	b	c	d	e	f
		O	MC1021	8C-CHB-006-010	CHAS,CD	a	b	c	.	e	f
		O	MC1021	8C-CHB-100-010	CHAS,CD S	.	.	.	d	.	.
		O	MC1022	8C-CHB-206-010	SPR-T,CD	a	b	c	d	e	f
		O	MC1023	8C-CHB-008-010	PANEL,TOP	a	b	c	.	e	f
		O	MC1023	8C-CHB-141-010	PANEL,TOP S	.	.	.	d	.	.
		O	MC1024	8B-CDC-207-010	BASE,CHUCK	a	b	c	d	e	f
		O	MC1025	87-036-368-010	MAGNET,	a	b	c	d	e	f
		O	MC1026	8B-CDC-208-010	PLATE,CHUCK	a	b	c	d	e	f
		O	MC1027	8B-CDC-206-010	HLDR,CHUCK	a	b	c	d	e	f
		O	MC1028	8C-CHM-008-010	LID,CD DL	a	.	.	.	.	.
		O	MC1028	8C-CHM-009-010	LID,CD	.	b	.	.	e	f
		O	MC1028	8C-CHM-011-010	LID,CD L	.	.	c	.	.	.
		O	MC1028	8C-CHM-010-010	LID,CD S	.	.	.	d	.	.
		O	MC1029	8C-CHB-203-010	SPR-P,ANT	a	b	c	d	e	f
		O	MC1030	87-A92-151-010	ANT,ROD 5SEC709	a	b	c	d	e	f
		O	MC1031	8C-CHB-123-010	LID,BATT U DL	a	.	.	.	.	.
						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
		O	MC1031	8C-CHB-132-010	LID,BATT U	.	b	.	.	.	f
		O	MC1031	8C-CHB-043-010	LID,BATT L	.	.	c	.	.	.
		O	MC1031	8C-CHB-028-010	LID,BATT S	.	.	.	d	.	.
		O	MC1031	8C-CHB-011-010	LID,BATT	.	.	.	.	e	.
		O	MC1032	8C-CHB-122-010	CABI,REAR U DL	a	.	.	.	.	.
		O	MC1032	8C-CHB-116-010	CABI,REAR U	.	b	.	.	.	f
		O	MC1032	8C-CHB-163-010	CABI,REAR ABS L	.	.	c	.	.	.
		O	MC1032	8C-CHB-162-010	CABI,REAR ABS S	.	.	.	d	.	.
		O	MC1032	8C-CHB-161-010	CABI,REAR ABS W	.	.	.	.	e	.
		X	MC1033	8C-CHB-208-010	HLDR,LCD	a	b	c	d	e	f
		X	MC1034	8C-CHB-609-010	PWB,BATT2	a	b	c	d	e	f
	!	O	MC1035	87-A61-453-010	JACK,AC U PSU27-N	a	b	.	.	.	f
	!	O	MC1035	87-A61-455-010	JACK,AC E PSE27	.	.	c	d	e	.
	!	O	MC1036	8C-CHB-622-010	PT,U CCHB	a	b	.	.	.	f
	!	O	MC1036	8C-CHB-624-010	PT,H CCHB	.	.	c	d	e	.
		O	MC1037	87-A92-285-010	COVER,AC SOCKET COVER PSU27-MC	a	b	c	d	e	f
		X	MC1038	8C-CHB-210-010	PLATE,PT	a	b	c	d	e	f
		O	MC1039	8C-CHB-201-010	SPR-T,BATT A	a	b	c	d	e	f
		X	MC1040	8C-CHB-608-010	PWB,BATT1	a	b	c	d	e	f
		X	MC1041	8C-CHB-607-010	PWB,POWER	a	b	c	d	e	f

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MECHANICAL PARTS LIST -2/2

! = ⚠SAFTY PARTS
C = Components marked
All components used on this model at the production line are shown in this service manual.
However, please note that not all components will be available as spare parts for after-sales service.
Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.
Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL					
						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
		O	MC1042	8C-CHB-007-010	ARM,HANDLE	a	b	c	.	e	f
		O	MC1042	8C-CHB-101-010	ARM,HANDLE S	.	.	.	d	.	.
		O	MC1043	87-A90-133-010	SW,LEAF LSA1120JAU	a	b	c	d	e	f
		X	MC1044	8A-CH4-602-010	HT-SINK,REG	a	b	c	d	e	f
		X	MC1045	8C-CHB-606-010	PWB,FR	a	b	c	d	e	f
		X	MC1046	8C-CHB-601-010	PWB,COMBI MAIN 2M	a	b	c	d	e	f
		X	MC1047	8A-CH4-603-010	HT-SINK,MAIN 2.5W	a	b	c	d	e	f
		O	MC1048	8C-CHB-013-010	KEY,VOL	a	b	c	.	e	f
		O	MC1048	8C-CHB-030-010	KEY,VOL S	.	.	.	d	.	.
		O	MC1049	88-CH6-019-010	PANEL,CD	a	b	c	d	e	f
		O	MC1050	M8-CZK-490-070	KSM-213RDM	a	b	c	d	e	f
		O	MC1051	8B-CDC-210-010	CUSHION,CD	a	b	c	d	e	f
		O	MC1052	8C-CHB-633-110	LCD,CCH-B/ADAMANT	a	b	c	d	e	f
		O	MC1053	8B-RD3-020-010	DOOR LOCK B	a	b	c	d	e	f
		O	MC1054	S7-338-440-010	DOOR LOCK SPRING	a	b	c	d	e	f
		O	MC1055	S5-097-338-340	DOOR LOCK A BASE	a	b	c	d	e	f
		O	MC1056	SC-CHB-190-000	LED HOLDER CCHB-19	a	b	c	d	e	f
		X	MC1057	8C-CHB-610-010	PWB,RIMOCON	a	b	c	d	e	f
	!	O	MC1058	87-A91-370-010	SW,AC SL2 2 2 SWS2202	.	.	c	d	e	.
		O	MC1059	8C-CHB-060-010	PLATE,AC-VOLTAGE	.	.	c	d	e	.
						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
		X	MC1060	8C-CHB-605-010	PWB,COMBI FR 2M	a	b	c	d	e	f
		O	MC1A	87-581-035-410	UIT+2-6	a	b	c	d	e	f
		O	MC1B	87-641-095-410	UT1+3-8	a	b	c	d	e	f
		O	MC1C	87-661-100-010	VFT1+3-16	a	b	c	d	e	f
		O	MC1D	87-B10-269-010	UT2+3-12 W/O CR	a	b	c	d	e	f
		O	MC1E	87-352-075-210	VT2+2.6-10	a	b	c	d	e	f
		O	MC1F	87-741-074-410	UT2+2.6-8	a	b	c	d	e	f
		O	MC1G	8A-CK4-223-010	S-SCREW,CD	a	b	c	d	e	f
		O	MC1H	87-741-094-410	UT2+3-6	a	b	c	d	e	f
		O	MC1I	87-745-095-410	UT2+3-8W/O SLOT NI	a	b	c	d	e	f
		O	MC1J	87-254-097-410	U+3-12 CR	a	b	c	d	e	f
		O	MC1K	87-B10-365-010	UT2+3-10 W/O CR	a	b	c	d	e	f
		O	MC1L	87-B10-242-010	UT2+3-30 W/O CR	a	b	c	d	e	f
		O	MC1M	87-723-073-410	QTZ+2.6-6	a	b	c	d	e	f
		O	MC1N	87-581-033-410	UIT+2-4	a	b	c	d	e	f
		O	MC1O	87-B10-366-010	UT2+2.6-10 W/O	a	b	c	d	e	f

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COLOR NAME TABLE -1/1

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange	GM	Metallic Green
YM	Metallic Yellow	DM	Metallic Orange	PT	Transparent Pink
LA	Aqua Blue	GL	Light Green	HT	Transparent Gray
HM	Metallic Gray	NH	Champagne Gold	M	Wood Pattern

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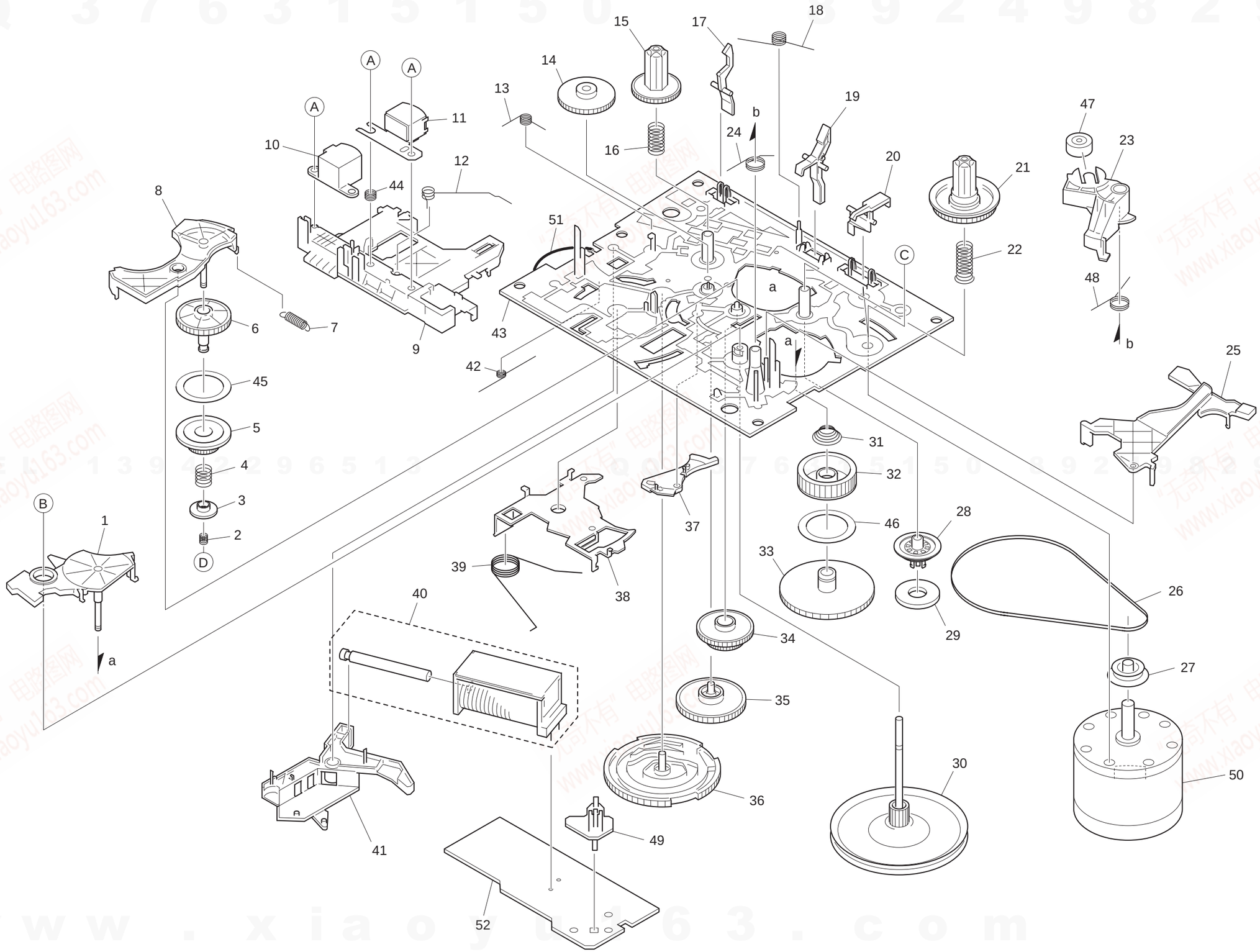
MECHANISM EXPLODED VIEW -1/1 (AZM-6 YR3NC)



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MECHANISM PARTS LIST -1/1 (AZM-6 YR3NC)

! = ⚠SAFTY PARTS
C = Components marked
All components used on this model at the production line are shown in this service manual.
However, please note that not all components will be available as spare parts for after-sales service.
Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.
Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						AZM-6 YR3NC
		O	ST1001	8Z-ZM3-216-310	LEVER,T-UP M3	a
		O	ST1002	8Z-ZM1-257-210	SPR-C,F/R	a
		O	ST1003	8Z-ZM1-236-010	CLR,SLIP FF/REW	a
		O	ST1004	8Z-ZM3-261-010	SPR-C,FR M3 C	a
		O	ST1005	8Z-ZM3-250-010	GEAR,SLIP F/R A M3	a
		O	ST1006	8Z-ZM1-238-110	GEAR,SLIP FF/REW B 2	a
		O	ST1007	8Z-ZM3-263-010	SPR-E,FR C	a
		O	ST1008	8Z-ZM3-220-110	LEVER,FR M3	a
		O	ST1009	8Z-ZM3-205-110	LEVER,PLAY M3	a
		O	ST1010	87-A90-404-110	HEAD,EH LE15B	a
		O	ST1011	87-A92-373-010	HEAD,PH T21VLC	a
		O	ST1012	8Z-ZM3-262-010	SPR-T,BRG M3 C	a
		O	ST1013	8Z-ZM3-236-310	SPR-T,PLAY M3	a
		O	ST1014	8Z-ZM3-251-010	GEAR,IDL REW M3	a
		O	ST1015	8Z-ZM1-226-010	GEAR,REEL L	a
		O	ST1016	8Z-ZM3-222-210	SPR-C,REEL L M3	a
		O	ST1017	82-ZM1-240-110	LVR,REC	a
		O	ST1018	8Z-ZM3-234-310	SPR-T,LVR CAS	a
		O	ST1019	8Z-ZM3-221-210	LEVER,CAS	a
		O	ST1020	8A-ZM6-207-010	LEVER,STOP	a
						AZM-6 YR3NC
		O	ST1021	8Z-ZM1-225-110	GEAR,REEL R	a
		O	ST1022	8Z-ZM3-223-310	SPR-C,REEL R M3	a
		O	ST1023	8Z-ZM3-215-110	LEVER,PINCH M3	a
		O	ST1024	8Z-ZM3-264-010	SPR-T,T-UP M3 C	a
		O	ST1025	8A-ZM6-204-010	LEVER,EJECT	a
		O	ST1026	8Z-ZM3-227-210	BELT,MAIN M3	a
		O	ST1027	8Z-ZM1-271-010	PULLEY,MOT ZZM-1	a
		O	ST1028	8A-ZM6-206-010	CLR,MG	a
		O	ST1029	82-ZM3-616-010	RING MAGNET 4	a
		O	ST1030	8Z-ZM3-256-010	FLY-WHL ASSY,M3 R	a
		O	ST1030a	8Z-ZM2-211-310	FLY-WHL,ZZM-2	a
		O	ST1030b	8Z-ZM3-242-110	SHAFT,CAP M3	a
		O	ST1031	8Z-ZM1-251-310	SPR-C,T-UP SLIP	a
		O	ST1032	8Z-ZM1-227-010	GEAR,SLIP T-UP A	a
		O	ST1033	8Z-ZM1-228-010	GEAR,SLIP T-UP B	a
		O	ST1034	8Z-ZM1-232-010	GEAR,IDL FF/REW	a
		O	ST1035	8Z-ZM3-229-010	GEAR,IDL M3	a
		O	ST1036	8Z-ZM3-219-310	GEAR,CAM M3	a
		O	ST1037	8Z-ZM3-209-010	LEVER,CAM FR	a
		O	ST1038	8Z-ZM3-243-110	LEVER ASSY,HD UP	a
						AZM-6 YR3NC
		X	ST1038a	8Z-ZM3-207-010	LEVER,HD UP	a
		X	ST1038b	8Z-ZM3-241-110	SHAFT,HD UP	a
		O	ST1039	8Z-ZM3-238-110	SPR-T,HD UP	a
		O	ST1040	82-ZM3-628-010	SOL ASSY,23 SO	a
		X	ST1040a	82-ZM3-629-010	HLDR,BOBBIN SOL SO	a
		X	ST1040b	82-ZM3-630-010	YOKE,SOL SO	a
		X	ST1040c	82-ZM3-631-010	SHAFT,CORE SOL SO	a
		X	ST1040d	82-ZM3-632-010	SHAFT,PLUNGER SOL SO	a
		X	ST1040e	82-ZM3-633-010	TERMINAL,SOL SO	a
		X	ST1040f	87-450-411-010	TERMINAL,LB 1	a
		O	ST1041	8Z-ZM3-206-010	LEVER,TRIG	a
		O	ST1042	8Z-ZM3-231-310	SPR-T,TRIG	a
		O	ST1043	8A-ZM6-201-210	CHAS ASSY,M6	a
		X	ST1043a	8Z-ZM1-268-010	BRG,METAL	a
		X	ST1043b	8A-ZM6-202-210	CHAS ASSY,OUT-SERT M6	a
		X	ST1043c	8A-ZM6-203-010	CHAS,M6	a
		O	ST1044	84-ZM2-227-310	SPR-C,AZIMUTH	a
		O	ST1045	8Z-ZM1-269-010	FELT,FF/REW 2	a
		O	ST1046	8Z-ZM1-265-010	FELT,T-UP	a
		O	ST1047	8Z-ZM1-261-110	ROLLER ASSY,PINCH	a
						AZM-6 YR3NC
		X	ST1047a	8Z-ZM1-262-010	CLR,ROLLER	a
		X	ST1047b	8Z-ZM1-263-010	ROLLER,PINCH	a
		O	ST1048	8Z-ZM3-252-010	SPR-T,PINCH 2	a
		O	ST1049	8A-ZM6-205-010	HLDR,IC	a
		O	ST1050	87-A92-349-010	MOT,SHE2L60	a
		X	ST1051	89-936-120-110	WIRE,UB6-12-3	a
		X	ST1052	8A-ZM6-602-010	PWB,MAIN M6	a
		O	ST1A	84-ZM2-252-010	S-SCREW,AZI-2-6.4 C	a
		O	ST1B	8Z-ZM3-245-110	V+2.6 ZZM-3	a
		O	ST1C	87-B10-301-010	W-L,1.63-3.2-0.5 SLIT	a
		O	ST1D	8Z-ZM1-275-010	W-L,1.47-4-0.25	a

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OTHER PARTS LIST -1/2 (CSD-TD49) -1/1

! = ⚠SAFTY PARTS
C = Components marked
All components used on this model at the production line are shown in this service manual.
However, please note that not all components will be available as spare parts for after-sales service.
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Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL					
						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
		X		87-056-926-010	LBL,COLOR L BLU	a	.	c	.	.	.
		X		8A-CH2-072-010	LBL,CAUTION CASS.EX	a	b	c	d	e	f
		X		8B-CDC-209-010	SH,CHUCK	a	b	c	d	e	f
		X		8C-CHB-851-010	CUSHION,ASSY CCHB	a	b	c	d	e	f
		X		87-B40-085-010	BAG,PV 0.04-200-350 PL	a	b	c	d	e	f
		X		84-711-909-010	LBL DATE CODE	a	b	.	.	.	f
		X		87-B40-282-010	LBL,BAR-CODE AU 35X8	a	b	.	.	.	f
		X		87-B50-107-010	SH,CAUTION SAFETY UL1492	a	b	.	.	.	f
		X		87-B50-054-010	WARR-CARD,USA CUST/PORTABLE	a	b	.	.	.	f
		X		8C-CHM-972-010	LBL,POP U	a	b	.	.	.	f
		X		8C-CHM-055-010	LBL,SPEC U	a	b	.	.	.	.
		X		8C-CHM-857-010	CTN,PRINTED UWC	a	b	.	.	.	.
		X		8C-CHM-859-010	CTN,OUTER ULC	a	.	.	.	.	.
		X		8C-CHM-856-010	CTN,OUTER UWC	.	b	.	.	.	.
		X		87-B40-281-010	LBL,BAR-CODE A 35X8	.	.	c	d	e	.
		X		87-057-995-010	LBL,CAUTION EFSD	.	.	c	d	e	.
		X		87-057-961-010	LBL,CAUTION TRIANGLE	.	.	c	d	e	.
		X		8C-CHM-851-010	CTN,PRINTED LHWC	.	.	c	d	e	.
		X		87-B50-079-010	LIST,FACILITY(B)-0007	.	.	c	d	e	.
		X		87-B50-056-010	SH,CAUTION AC VOLTAGE	.	.	c	d	e	.
						CSD-TD49 ULC	CSD-TD49 UWC	CSD-TD49 LHLC	CSD-TD49 LHSC	CSD-TD49 LHWC	CSD-TD49 UCWC
		X		8C-CHM-973-010	LBL,POP LH2	.	.	c	d	e	.
		X		8C-CHM-864-010	CTN,OUTER LHLC	.	.	c	.	.	.
		X		87-056-770-010	LBL,COLOR L SIL	.	.	.	d	.	.
		X		8C-CHM-863-010	CTN,OUTER LHSC	.	.	.	d	.	.
		X		8C-CHM-852-010	CTN,OUTER LHWC	.	.	.	.	e	.
		X		8C-CHM-057-010	LBL,SPEC UC	.	.	.	.	.	f
		X		8C-CHM-867-010	CTN,OUTER UCWC	.	.	.	.	.	f
		X		8C-CHM-866-010	CTN,PRINTED UCWC	.	.	.	.	.	f
		X		87-B50-098-010	WARR-CARD,C(E) POR-0104	.	.	.	.	.	f
		X		87-B50-099-010	WARR-CARD,C(F) POR-0104	.	.	.	.	.	f

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OTHER PARTS LIST -2/2 (AZM-6 YR3NC) -1/1

! = ⚠SAFTY PARTS
C = Components marked
All components used on this model at the production line are shown in this service manual.
However, please note that not all components will be available as spare parts for after-sales service.
Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.
Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						AZM-6 YR3NC
		X		8A-ZM6-852-010	CUSHION,BOTTOM C	a
		X		M8-AZM-695-070	AZM-6 YR3NC	a
		X		82-ZM1-596-010	BAG,PV 0.04-190-240	a
		X		8A-ZM6-851-010	CTN,OUTER YR1NC	a
		X		8A-ZM6-853-010	CUSHION,TOP C	a

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